

Section 30

Manufactures

This section presents measures of the manufacturing segment of the economy and its component inputs and outputs. The input data include figures for establishments; employment and wages; raw materials, fuels, and energy consumed; plant and equipment expenditures; and water use. The output data include figures for value and quantity of production and shipments; and value added by manufacture. Both types of data are shown for manufacturing as a whole, for major product groups, and for specific selected products.

The principal sources of these data are the reports of the Census of Manufactures conducted periodically by the Bureau of the Census; the same agency's *Annual Survey of Manufactures*; and its *Facts for Industry* series which presents monthly, quarterly, or annual data on production, shipments, and stocks for particular commodities. Indexes of industrial production are presented monthly in the Federal Reserve Board's *Federal Reserve Bulletin*. Reports on current activities of industries, or current movements of individual commodities, are also compiled by such government agencies as Bureau of Labor Statistics, Agricultural Marketing Service, Business and Defense Services Administration, Fish and Wildlife Service, Tariff Commission, and Internal Revenue Service, and by private research or trade associations such as the American Iron and Steel Institute, the National Canners Association, and the National Association of Hosiery Manufacturers.

Data on financial operations and intercorporate relations of manufacturing corporations are collected from time to time by the Securities and Exchange Commission, the Tariff Commission, and the Federal Trade Commission. Financial statistics for certain manufacturing industries in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, and types and amounts of security issues are summarized and published for the leading corporations that are registered with the Securities and Exchange Commission. The Tariff Commission publishes commodity surveys which cover economic and competitive aspects of production, distribution, and international trade in selected important industries. Each survey deals with several products which are related because of the raw materials consumed, or competitive uses. The Federal Trade Commission has made several comprehensive studies of individual industries.

Censuses and annual surveys.—The first Census of Manufactures covered the year 1809 and a census was taken at 10-year intervals to 1899, with the exception of 1829. It was conducted at 5-year intervals from 1904 through 1919, and every second year from 1921 through 1939, but was suspended during the war period until the 1947 Census. Present legislation provides for a quinquennial Census of Manufactures. A census covering the year 1954 is presently in process; preliminary results are now available for all industries and for all States.

The *Annual Survey of Manufactures* was conducted for the first time in 1949 and carries forward, for the intercensal years, measures of manufacturing activity covered in detail by the quinquennial Census of Manufactures. It is designed to yield estimates of general statistics (employment, payrolls, value added by manufacture, inventories, and capital expenditures) for industry groups, important individual industries, geographic divisions, States, and important cross-tabulations of major industry groups by division and by State.

Note.—This section presents data for the most recent year or period available on May 24, 1956, when the material was organized and sent to the printer. In a few instances, more recent data were added after that date.

The annual survey is based on a sample of about 55,000 of an approximate total of 288,000 manufacturing establishments. It comprises all large plants and a representative selection of the more numerous small plants. The large plants in the survey account for approximately two-thirds of total manufacturing employment in the United States. (Government-owned and -operated establishments are excluded.)

Establishments and classification.—The 1947 and 1954 Censuses of Manufactures covered operating manufacturing establishments as defined in the *Standard Industrial Classification Manual* issued by the Bureau of the Budget. Reports were required from all establishments employing one or more persons at any time during the census year. Each of the establishments tabulated was classified in one of the 458 manufacturing industries as defined by the Standard Industrial Classification system. This system defines an industry as a number of establishments producing a single product or a closely related group of products. An establishment is classified in a particular industry if its production of this product or product group exceeds in value its production of any other product group. In a few instances, the industry classification of an establishment is determined not only by its product group but also by the processes employed in making those products.

While some establishments produce only the products of the industry in which they are classified, it rarely happens that all the establishments in an industry specialize to that extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect not only the primary activities of the establishments in that industry but also their activities of a secondary nature. For this reason the industry statistics usually cannot be directly related to statistics on the total shipments of products primary to that industry.

The 1947 and 1954 Censuses were conducted on an establishment basis. The term "establishment" signifies a single physical plant site or factory and is not necessarily identical with the business unit or company which consists of one or more establishments. A company operating establishments at more than one location is required to submit a separate report for each location. An establishment engaged in distinctly different lines of activity and maintaining separate payroll and inventory records is also required to submit separate reports.

In earlier Censuses of Manufactures, establishments having less than \$5,000 value of products were designated as outside the scope of the census. The change in the minimum size limit in 1947 (employment of one person) as compared with 1939 has not appreciably affected the comparability for these two years, except for data on number of establishments for a few industries.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for the annual surveys as for the census of manufactures. Consequently, similar series may be considered to be comparable. However, beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the fifteenth of March, May, August, and November, whereas for 1947 such averages were based on 12 monthly employment figures. The 1954 figures are an average of reported employment totals for the four specified months, except for highly seasonal industries, where a 12-month average was obtained. Further, 1947 figures exclude data for central administrative offices and auxiliary establishments of manufacturing concerns, which are included in the statistics for later years. Employment data shown for administrative and auxiliary units were obtained from employer reports for mid-March to the Bureau of Old-Age and Survivors Insurance for the years 1949 to 1953; for 1954 such data were obtained during the census directly from each manufacturing firm.

Material in other sections.—In addition to the statistics presented in this section, statistics on the output and activities of manufacturers will be found in various other sections of this volume. For example, an historical summation of production and

consumption of raw materials appears in section 28, Mining and Mineral Products (see table 906); data on wages and hours appear in section 8, Labor Force, Employment, and Earnings; and abbreviated balance sheet and income account data on all manufacturing corporations appear in section 14, Federal Government Finances and Employment, and in section 17, Business Enterprise.

Geographic coverage.—Statistics in this section relate to continental United States, except as noted.

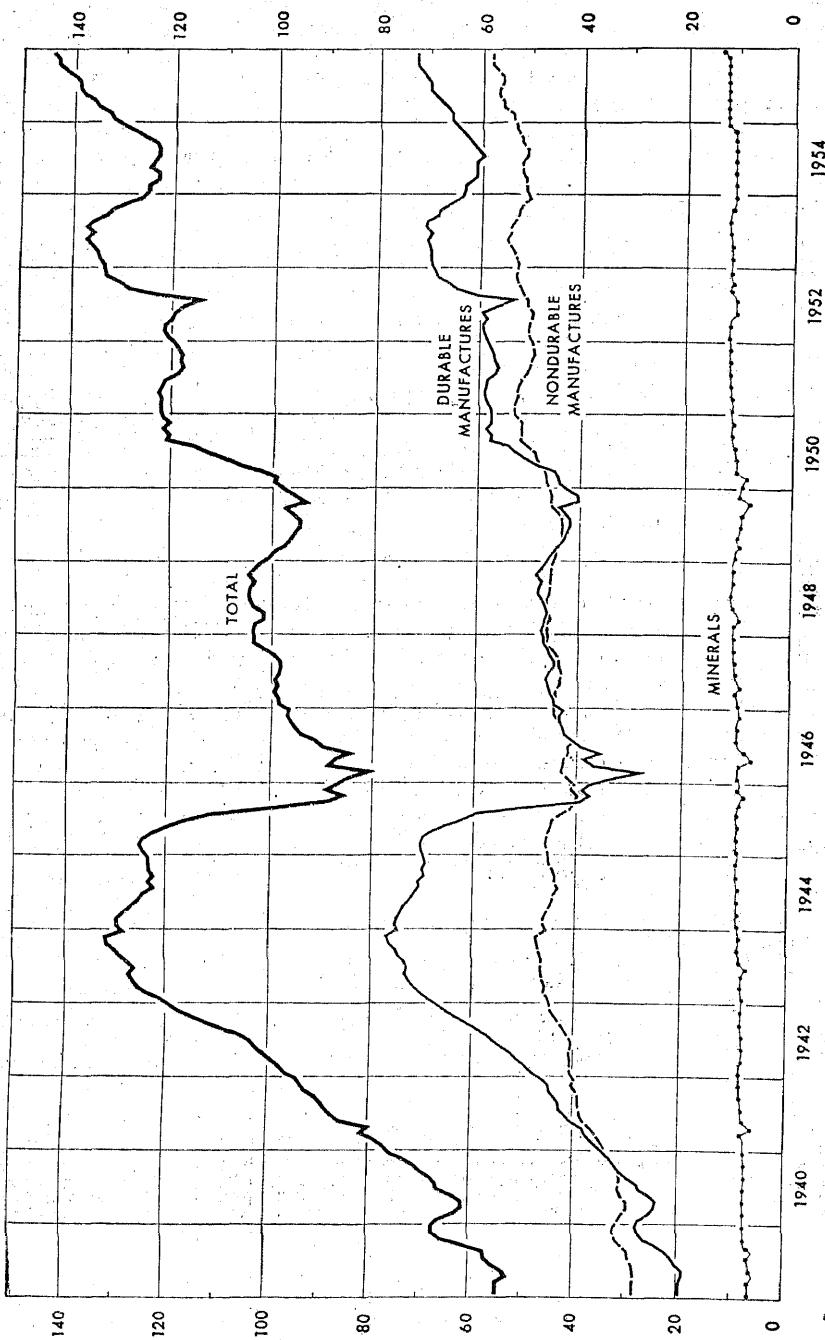
Historical statistics.—Tabular headnotes (as "See also *Historical Statistics*, series J 1-12") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*. See preface.

Technical Note—Annual Survey of Manufactures

The annual survey estimates vary from the totals that would have been obtained from a complete canvass of all manufacturing establishments. The relative magnitude of this sampling variation is given in the table column captioned "Standard error." The standard error should be interpreted to mean that the sample estimates will differ from complete canvass totals by *less than*: (1) The percentage shown in approximately 2 cases out of 3; (2) twice the percentage shown in approximately 19 cases out of 20; and (3) three times the percentage shown in almost every case. It should be noted that standard errors are shown only for selected items. The standard errors of other measures are shown in the source report cited.

In making any study of the trend since 1947, it is important to take account of the effect of the sampling variation on the apparent increase or decrease shown between years. In addition to sampling errors, individual figures may be subject to biases arising from undetected response or procedural errors which are not reflected in the "standard errors." Figures are normally withheld from publication in the original source volumes if (1) the standard error of the estimate exceeds 15 percent, or (2) survey estimates are inconsistent with other Census series and related data. Any estimate which can be derived by subtraction of one published figure from another may have a standard error considerably in excess of 15 percent.

Fig. XLIV.—INDUSTRIAL PRODUCTION INDEXES: 1939 TO 1955
 1947-49 average for total = 100. Monthly data based on physical volume and adjusted for seasonal variation. See table 984.]



Source: Board of Governors of the Federal Reserve System.

No. 992.—MANUFACTURES—SUMMARY: 1849 TO 1953

[Figures for 1849 to 1919 comprise establishments whose products were valued at \$500 or more; for 1921 to 1939, establishments whose products were valued at \$5,000 or more; for 1947, figures cover all establishments employing 1 or more persons at any time during year. See also *Historical Statistics*, series J 1-12]

YEAR	Number of establish- ments	Number of proprietors and firm members	ALL EMPLOYEES ¹		PRODUCTION WORKERS		Value added ³ (\$1,000)	
			Number (average for year) ²	Salaries and wages (\$1,000)	Number (average for year)	Wages (\$1,000)		
Factories and hand and neighborhood industries:								
1849	123,025				957,059	236,755	463,983	
1869	140,433		(4)	(4)	1,311,246	378,879	894,257	
1869	252,148				2,053,996	620,467	51,395,119	
1879	253,852	(4)			2,732,595	947,954	1,972,756	
1889	335,864		4,586,494	2,209,058	4,129,355	1,820,854	4,102,301	
1899	509,490		5,478,301	2,595,566	5,097,562	2,206,547	5,474,892	
Factories, excluding hand and neighborhood industries:								
1899	204,750	(4)	4,850,019	2,258,654	4,501,919	1,892,574	4,646,981	
1904	213,444	225,115	5,674,957	2,900,937	5,181,660	2,440,851	6,019,171	
1909	204,810	272,421	7,012,066	4,105,470	6,261,736	3,205,213	8,160,075	
1914	268,436	258,580	7,514,186	5,015,977	6,602,287	3,782,322	9,385,622	
1919	270,281	249,865	9,836,801	12,426,002	8,464,916	9,664,009	23,841,624	
1921	192,059	172,291	7,557,364	9,870,198	6,475,474	7,451,293	17,252,775	
1923	192,096	147,958	9,474,658	12,996,460	8,194,170	10,148,624	24,569,487	
1925	183,877	182,971	9,142,417	12,057,707	7,871,409	9,079,649	25,667,624	
1927	187,629	132,151	9,072,052	13,123,135	7,848,070	10,090,465	26,325,394	
1929	206,663	182,680	9,659,742	14,284,282	8,360,705	10,884,919	30,591,435	
1931	171,450	(4)	(4)	(4)	6,163,144	6,688,541	18,800,532	
1933	139,325	72,267	6,557,925	6,237,800	5,757,611	4,940,146	14,007,540	
1935	167,916	81,521	8,262,295	9,564,754	7,203,794	7,311,329	18,552,559	
1937	166,794	99,268	9,786,402	12,829,749	8,569,231	10,112,883	25,173,539	
1939	7,173,802	8 123,655	8 9,527,806	8 12,706,102	7 7,808,205	7 8,907,615	7 24,487,304	
1947	240,881	188,948	14,294,304	30,689,527	11,916,188	30,242,343	74,425,825	
1949 ⁴		(4)	(4)	10 13,880,050	10 42,752,032	11,016,301	30,253,971	75,360,527
1950 ⁴	10 247,307	(4)	(4)	10 14,769,981	10 47,892,894	11,778,803	34,600,025	89,749,765
1951 ⁴	10 262,000	(4)	(4)	10 15,612,619	10 55,992,091	12,508,914	40,654,832	102,085,814
1952 ⁴	10 267,000	(4)	(4)	10 16,061,041	10 61,140,558	12,706,032	43,763,640	109,162,079
1953 ⁴		(4)	(4)	10 17,093,004	10 68,590,424	13,500,934	48,979,102	121,659,136

¹ Beginning 1939 includes data for employees of manufacturing establishments engaged in distribution and construction work. Extent to which data for such employees were included in figures for earlier years is not known.

² Data for 1949-53 based on pay periods ending nearest 15th of Mar., May, Aug., and Nov. For 1947, data represent average of 12 monthly figures; for earlier years, sum of average number of production workers for year and number of nonproduction workers reported for 1 payroll period (usually in October).

³ Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1849-1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture.

⁴ Not available. ⁵ Reduced to gold basis. ⁶ Excludes data for salaried officers of corporations.

⁷ Revised on basis of retabulation of returns to exclude data for establishments classified as nonmanufacturing in 1947. Value added by manufacture on a basis comparable with 1937 and previous years was \$24.7 billion.

⁸ Number of proprietors and firm members not revised. Figures for "All employees" revised on basis of estimates rather than by retabulation of 1939 reports. (See footnote 7.)

⁹ Estimated based on sample survey; see text, p. 787. For standard errors of estimates, see subsequent tables.

¹⁰ Includes data for plants idle throughout year, administrative offices, and units auxiliary to manufacturing.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Annual Survey of Manufactures*.

No. 993.—POPULATION, WAGE EARNERS, AND PRODUCTION—INDEXES: 1899 TO 1947

[1899=100. See also *Historical Statistics*, series J 13 for indexes of production]

CENSUS YEAR	Popu- lation	Wage earners	Pro- duction (quantity) ¹	Production per wage earner	CENSUS YEAR	Popu- lation	Wage earners	Pro- duction (quantity) ¹	Production per wage earner
1899	100	100	100	100	1927	158	178	317	178
1904	110	115	124	108	1929	162	190	364	192
1909	121	139	158	114	1931	166	140	262	187
1914	131	147	186	127	1933	168	131	228	174
1919	140	101	222	116	1935	170	163	301	185
1921	145	147	194	132	1937	172	194	376	194
1923	149	186	280	151	1939	175	187	373	199
1926	154	178	298	167	1947	198	(2)	649	(2)

¹ Index of physical output for 1899-1939 from National Bureau of Economic Research. ² Not available.

Source: Department of Commerce, Bureau of the Census; 1939 *Census of Manufactures*, Vol. I, and records.

No. 994.—INDUSTRIAL PRODUCTION—INDEXES, BY INDUSTRY GROUPS: 1947 TO 1956

[1947-49 average=100. Monthly data adjusted for seasonal variation. The indexes shown here constitute a basic revision of the Federal Reserve index of industrial production. For details on composition and construction of the index, see *Federal Reserve Bulletin*, December 1953. See also *Historical Statistics*, series J 30-48 and G 6-8, for indexes on 1935-39 base]

YEAR AND MONTH	Total	MANUFACTURES											
		Durable manufactures											
		Total	Total	Primary metals	Fabricated metal products	Machinery	Transportation equipment	Instruments and related products	Stone, clay, and glass products	Lumber and products	Furniture and fixtures	Miscellaneous	
1947	100	100	101	103	103	103	96	100	98	101	100	100	
1948	104	103	104	107	104	104	102	105	105	106	104	105	
1949	97	97	95	90	93	93	102	95	97	93	96	95	
1950	112	113	116	115	115	114	120	114	118	113	117	117	
1951	120	121	128	126	122	130	135	128	131	113	111	120	
1952	124	125	136	116	121	147	154	142	125	111	113	122	
1953	134	136	153	132	136	160	189	155	133	118	117	140	
Mar.	135	137	155	136	137	163	190	155	135	121	121	138	
June	136	138	154	137	139	161	188	157	134	114	122	145	
Sept.	133	135	152	130	135	161	186	155	134	114	114	140	
Dec.	126	127	142	113	126	146	182	154	129	110	106	136	
1954	126	127	137	108	123	142	175	140	131	115	106	131	
Mar.	123	125	135	103	120	140	173	144	130	116	104	130	
June	124	125	135	108	122	139	170	135	129	108	104	131	
Sept.	124	126	137	105	122	145	167	137	134	116	109	132	
Dec.	130	131	143	121	125	145	189	140	135	131	108	131	
1955	139	141	155	140	134	155	203	149	149	127	119	141	
Mar.	135	136	148	136	129	147	200	143	143	127	112	136	
June	139	141	155	143	135	155	198	149	153	133	121	145	
Sept.	142	144	160	146	141	161	205	155	155	127	125	145	
Dec.	144	146	161	150	138	163	212	159	154	126	123	146	
1956:	Mar.	141	142	157	145	132	162	198	160	156	121	120	141

YEAR AND MONTH	MANUFACTURES—Continued												
	Nondurable manufactures												
	Total	Textile mill products	Apparel and allied products	Rubber products	Leather and products	Paper and allied products	Printing and publishing	Chemicals and allied products	Petroleum and coal products	Food and beverage manufacturers	Tobacco manufacturers	Minerals, total	
1947	99	101	97	106	106	99	93	97	97	101	99	100	
1948	102	105	102	102	100	102	103	103	104	99	101	106	
1949	99	94	101	92	94	98	103	101	99	100	94	94	
1950	111	111	108	119	101	118	111	121	110	103	101	105	
1951	114	107	105	119	94	125	113	136	122	105	107	115	
1952	114	103	108	116	90	120	116	137	123	105	110	114	
1953	118	104	110	128	99	132	121	147	130	107	108	116	
Mar.	119	108	112	138	103	133	120	145	128	107	116	115	
June	121	111	115	130	99	134	121	150	131	106	103	119	
Sept.	117	100	104	121	91	135	121	147	131	109	104	118	
Dec.	112	90	101	116	93	125	120	145	128	103	112	113	
1954	116	96	105	115	95	134	120	148	125	106	103	111	
Mar.	114	91	104	113	93	131	119	146	122	105	105	112	
June	116	94	103	120	95	136	121	148	124	106	107	114	
Sept.	115	98	105	117	91	137	121	150	125	106	102	108	
Dec.	119	102	107	133	100	136	121	155	129	108	101	116	
1955	126	107	113	143	105	152	127	167	135	109	105	122	
Mar.	124	104	111	140	105	147	125	161	134	107	107	121	
June	128	107	114	149	107	156	128	170	136	109	109	122	
Sept.	128	107	116	142	104	157	130	173	135	108	100	123	
Dec.	130	109	116	144	108	159	128	175	141	113	107	129	
1956:	Mar.	128	107	108	136	105	157	129	175	143	110	107	130

Source: Board of Governors of the Federal Reserve System. Figures published monthly in *Federal Reserve Bulletin*.

No. 995.—INDEXES OF OUTPUT OF CONSUMER DURABLE GOODS: 1948 TO 1955

[1947-49=100. For description of series, see *Federal Reserve Bulletin*, May 1954, pp. 438-447]

TYPE OF GOODS	1948	1949	1950	1951	1952	1953	1954	1955
Consumer durables, total	102	101	133	114	105	127	116	147
Major durables	100	107	149	122	109	138	125	164
Autos	93	122	159	127	103	146	131	190
Major household goods	105	96	143	118	115	132	122	144
Furniture and floor coverings	105	96	120	104	109	113	101	116
Household furniture	103	96	123	109	113	118	106	120
Floor coverings	111	98	111	90	(1)	(1)	(1)	(1)
Appliances and heaters	110	88	132	112	99	118	111	138
Major appliances	114	92	137	115	100	123	115	142
Ranges	118	78	120	98	75	90	79	100
Refrigeration appliances	115	101	154	127	106	137	124	151
Laundry appliances	113	85	122	116	115	141	148	193
Heating apparatus	99	78	117	102	94	100	97	120
Radio and television sets	89	119	243	178	184	230	214	242
Radio sets	99	68	77	64	53	67	52	77
Television sets	70	217	561	396	436	541	522	578
Other consumer durables	105	86	95	96	95	102	95	106
Auto parts and tires	106	80	87	89	90	91	91	102
Miscellaneous home and personal goods	104	92	101	101	100	111	99	109

¹ Series suspended pending revision for the period 1952 to 1955.Source: Board of Governors of the Federal Reserve System; published currently in *Federal Reserve Bulletin*.

No. 996.—COST OF FUELS CONSUMED AND PURCHASED ELECTRIC ENERGY, FOR MAJOR INDUSTRY GROUPS: 1952 AND 1953

In thousands of dollars. Excludes value of fuels and electric energy produced and consumed in the same establishment; also excludes cost of fuels used as raw materials, such as coal used in making coke. Figures based on sample and subject to sampling variation. Standard errors for figures generally range from 1 to 10 percent. See Technical Note, p. 789, for explanation of standard error.

INDUSTRY GROUP	1952			1953		
	Total	Cost of fuels consumed ¹	Cost of purchased electric energy	Total	Cost of fuels consumed ¹	Cost of purchased electric energy
All industries, total for manufacturing establishments	4,861,422	3,288,107	1,573,315	5,395,438	3,675,024	1,720,414
Food and kindred products	363,259	208,284	154,975	360,417	215,740	144,677
Tobacco manufactures	7,817	4,677	3,140	7,852	4,554	3,298
Textile mill products	215,406	97,105	118,301	222,953	98,593	124,360
Apparel and related products	62,079	24,857	37,222	67,624	27,720	33,904
Lumber and products (except furniture)	145,713	89,133	56,580	143,312	88,771	54,541
Furniture and fixtures	35,767	15,451	20,316	36,585	16,009	20,576
Paper and allied products	257,468	185,607	71,861	284,070	204,164	79,906
Printing and publishing industries	72,933	26,666	46,267	73,651	28,199	45,455
Chemical and allied products	482,678	315,570	167,108	538,978	347,243	191,735
Petroleum and coal products	196,595	151,917	44,678	224,762	173,474	51,288
Rubber products	57,185	25,662	31,523	60,344	26,602	33,742
Leather and leather products	27,217	14,643	12,574	29,261	15,428	13,833
Stone, clay and glass products	350,797	267,237	92,500	372,046	277,480	94,566
Primary metal industries	1,814,148	1,514,233	299,915	2,127,081	1,778,020	349,061
Fabricated metal products	157,533	74,390	83,143	172,216	80,066	92,210
Machinery (except electrical)	206,619	97,819	108,800	217,303	99,345	117,958
Electrical machinery	97,250	39,311	57,939	108,612	41,302	67,310
Transportation equipment	196,092	89,699	106,393	220,531	96,479	124,052
Instruments and related products	21,822	10,145	11,677	24,090	11,886	12,213
Miscellaneous manufactures	84,044	35,701	48,343	103,738	44,009	59,729

¹ Comprises purchased fuel used for power and heat, such as anthracite and bituminous coal, natural and manufactured gas, fuel oil, liquefied petroleum gas, gasoline, and wood.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures*.

No. 997.—MANUFACTURES—GENERAL STATISTICS, BY MAJOR INDUSTRY GROUPS:
1947 TO 1954

[See text, p. 787. 1950 and 1953 figures based on sample and subject to sampling variation. 1947 figures adjusted to secure comparability with 1954.]

MAJOR INDUSTRY GROUP	1947		1950		1953		STANDARD ERROR ² (percent)
	All employees (1,000)	Value added by manufacture ¹ (mil. dol.)	All employees (1,000)	Value added by manufacture ¹ (mil. dol.)	All employees (1,000)	Value added by manufacture ¹ (mil. dol.)	
All industries	14,300	74,339	14,770	89,750	17,093	121,659	1 1
Food and kindred products ³	1,442	9,023	1,493	10,104	1,455	11,938	1 2
Tobacco manufactures	112	641	93	806	95	987	2 5
Textile mill products	1,232	5,323	1,245	5,642	1,158	5,412	2 1
Apparel and related products	1,082	4,440	1,151	4,176	1,227	5,415	3 2
Lumber and wood products ⁴	642	2,520	750	3,166	720	3,501	3 3
Furniture and fixtures	316	1,346	346	1,667	361	2,047	1 3
Pulp, paper, and products	453	2,913	478	3,438	533	4,463	3 2
Printing and publishing	715	4,249	763	4,907	760	5,916	1 3
Chemicals and products	631	5,345	642	7,237	768	9,320	2 1
Petroleum and coal products	212	2,013	208	2,139	229	2,795	2 2
Rubber products	258	1,299	239	1,620	270	2,021	1 2
Leather and leather products	383	1,533	385	1,499	375	1,711	3 3
Stone, clay, and glass products	462	2,305	491	3,138	506	3,753	2 2
Primary metal industries	1,158	5,733	1,129	7,951	1,288	11,004	1 1
Fabricated metal products	973	4,920	989	6,211	1,118	8,144	1 2
Machinery (except electrical)	1,552	7,834	1,368	8,765	1,691	13,381	1 1
Electrical machinery	796	3,860	766	4,815	1,096	7,876	1 1
Transportation equipment	1,174	5,842	1,218	8,547	1,912	14,534	1 1
Instruments and related products	245	1,140	226	1,389	285	2,169	3 2
Miscellaneous manufactures ⁵	462	2,060	488	2,534	844	5,272	3 2
Administrative and auxiliary	(?)		303		400		

MAJOR INDUSTRY GROUP	1954 (prel.)					Capital expenditures, new ⁶ (mil. dol.)	
	All employees		Production workers		Value added by manufacture ¹ (mil. dol.)		
	Number (1,000)	Payroll (mil. dol.)	Number (1,000)	Man-hours ⁸ (mil. Hons)			
All industries	16,135	66,011	12,397	24,459	44,631	116,001 7,757	
Food and kindred products ³	1,650	6,211	1,143	2,823	3,774	13,453 783	
Tobacco manufactures	95	280	87	163	220	988 28	
Textile mill products	1,022	2,965	932	1,797	2,485	4,072 226	
Apparel and related products	1,197	3,211	1,077	1,907	2,580	5,033 78	
Lumber and wood products ⁴	649	1,941	586	1,115	1,618	3,178 220	
Furniture and fixtures	339	1,194	287	568	897	1,952 60	
Pulp, paper, and products	529	2,215	438	926	1,665	4,542 533	
Printing and publishing	802	3,600	496	953	2,097	6,194 236	
Chemicals and products	741	3,402	502	1,014	2,005	9,150 931	
Petroleum and coal products	217	1,102	165	324	780	2,569 751	
Rubber products	247	1,062	197	378	777	1,903 130	
Leather and leather products	357	1,028	322	587	835	1,637 28	
Stone, clay, and glass products	494	1,947	414	831	1,503	3,810 305	
Primary metal industries	1,110	5,108	939	1,815	3,995	9,405 775	
Fabricated metal products	1,040	4,488	836	1,683	3,236	7,766 423	
Machinery (except electrical)	1,543	7,175	1,175	2,372	4,975	12,313 713	
Electrical machinery	951	3,928	720	1,412	2,630	7,399 342	
Transportation equipment	1,709	8,304	1,329	2,817	6,007	13,734 926	
Instruments and related products	270	1,189	194	388	752	2,104 94	
Miscellaneous manufactures ⁵	700	2,669	558	1,086	1,853	4,199 175	
Administrative and auxiliary	464	2,992					

¹ Value of shipments less cost of materials, supplies, fuels, electric energy, and contract work.² See text, p. 787, for explanation of standard error. Refers to columns "All employees"; standard errors for "Value added by manufacture" usually of same magnitude.³ Data for 1954 include plants processing and distributing fluid milk; not included for prior years.⁴ Data for 1950 to 1954 include logging camps and contractors, and sawmills producing less than 200,000 board feet of lumber; excluded for 1947.⁵ Includes privately owned and/or operated establishments classified in "Ordnance and accessories."⁶ Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishments of a company, rather than the general public. Separate reports were obtained in 1954 from such units if at a different location or if they serviced more than one establishment. The 1950 and 1953 data were obtained from BOASI records.⁷ Not available. ⁸ Excludes hours paid for vacations, holidays, or sick leave. Includes actual overtime hours, not straight-time equivalent hours.⁹ Comprises, for plants in operation during 1954, expenditures for new structures and additions and new machinery and equipment. Excludes expenditures for "used" plant and equipment acquired from others and for land. In addition, approximately \$300 million was spent by manufacturing firms in 1954 for plants under construction.Source: Department of Commerce, Bureau of the Census: *Census of Manufactures, 1947*, Vol. II, *Annual Survey of Manufactures*, and *1954 Census of Manufactures*, Series MC-G-1.

MANUFACTURERS' INVENTORIES

795

No. 998.—VALUE OF MANUFACTURERS' INVENTORIES, BY MAJOR INDUSTRY GROUPS:
1947 AND 1953

[In thousands of dollars. 1947 data exclude all small establishments reporting on "short" forms. 1953 figures based on sample and subject to sampling variation. See text, p. 787.]

MAJOR INDUSTRY GROUP	1947					
	Inventories at beginning of year			Inventories at end of year		
	Total	Finished products ¹	Materials, supplies, and work in process ²	Total	Finished products ¹	Materials, supplies, and work in process ²
All industries, total	22,432,422	6,159,703	16,272,719	26,129,137	7,808,637	18,320,500
Food and kindred products	3,489,199	1,522,149	1,967,050	4,078,750	1,943,108	2,135,642
Tobacco manufactures	1,033,759	391,569	642,190	1,117,664	465,754	651,910
Textile mill products	1,609,619	338,750	1,269,869	1,788,166	385,472	1,402,694
Apparel and related products	1,087,339	365,489	721,850	1,257,372	449,094	808,278
Lumber and (products) exc. furniture	497,580	200,015	297,565	653,637	275,277	378,360
Furniture and fixtures	342,280	61,108	281,172	401,311	83,053	318,258
Paper and allied products	536,913	61,644	445,269	714,223	125,316	588,007
Printing and publishing industries	(3)	(3)	(3)	(3)	(3)	(3)
Chemicals and allied products	1,743,370	505,525	1,237,845	2,062,730	650,037	1,412,693
Petroleum and coal products	730,588	400,203	330,295	888,583	453,606	434,977
Rubber products	373,058	98,427	274,631	413,785	152,967	260,818
Leather and leather products	447,705	102,289	345,416	508,276	120,257	388,019
Stone, clay, and glass products	391,146	137,033	253,213	494,668	184,543	310,123
Primary metal industries	1,719,943	368,501	1,351,442	1,968,469	441,282	1,527,187
Fabricated metal products	1,254,132	233,753	1,020,379	1,500,320	315,639	1,184,681
Machinery (except electrical)	2,833,852	677,702	2,156,060	3,354,237	890,262	2,403,975
Electrical machinery	1,342,433	188,439	1,153,994	1,489,516	291,340	1,198,176
Transportation equipment	2,048,774	242,172	1,806,602	2,377,482	296,994	2,050,488
Instruments and related products	382,098	83,172	298,926	429,047	103,757	325,290
Miscellaneous manufactures	568,634	149,683	418,951	630,903	180,879	450,024
1953						
MAJOR INDUSTRY GROUP	Inventories at beginning of year			Inventories at end of year		
	Total	Finished products	Materials, supplies and work in process ²	Total	Finished products	Materials, supplies and work in process ²
	40,709,417	12,471,783	28,237,634	42,517,598	13,905,372	28,612,226
All industries, total	40,709,417	12,471,783	28,237,634	42,517,598	13,905,372	28,612,226
Food and kindred products	4,613,525	2,626,165	1,987,360	4,554,398	2,645,341	1,909,057
Tobacco manufactures	1,606,343	626,305	979,948	1,627,094	644,113	982,981
Textile mill products	2,459,515	888,791	1,620,724	2,433,847	954,828	1,470,019
Apparel and related products	1,532,782	590,767	942,015	1,672,904	678,983	893,921
Lumber and products (except furniture)	1,121,315	500,600	620,706	1,131,504	515,249	616,345
Furniture and fixtures	571,021	151,472	419,540	501,168	161,284	429,884
Paper and allied products	1,055,341	254,085	801,256	1,009,119	275,119	794,000
Printing and publishing industries	(3)	(3)	(3)	(3)	(3)	(3)
Chemicals and allied products	3,056,376	1,128,953	1,927,423	3,046,346	1,217,601	1,828,685
Petroleum and coal products	1,436,165	734,952	701,213	822,445	777,403	2
Rubber products	647,516	297,733	349,783	652,833	330,989	321,844
Leather and leather products	497,212	150,461	346,751	513,315	173,452	339,863
Stone, clay, and glass products	776,301	311,621	464,770	808,129	343,915	464,214
Primary metal industries	3,278,387	639,869	2,638,518	3,604,846	866,501	2,828,345
Fabricated metal products	2,442,432	568,367	1,874,065	2,677,624	663,888	2,013,741
Machinery (except electrical)	5,287,033	1,430,561	3,857,372	5,392,048	1,672,032	3,720,016
Electrical machinery	2,734,816	560,483	2,174,333	2,919,199	732,909	2,186,200
Transportation equipment	5,008,431	484,604	4,523,827	5,570,968	569,979	5,000,989
Instruments and related products	760,805	175,347	585,458	803,448	185,155	618,293
Miscellaneous manufactures	1,823,111	400,545	1,422,563	1,858,870	451,534	1,407,336

¹ Includes value of goods produced by contract work on materials owned by manufacturers reporting.² Includes value of fuel and all other inventories. ³ Data not collected.⁴ See Technical Note, p. 789, for explanation of standard error. Refers to total inventories columns. Standard errors for other columns are usually the same or slightly higher.⁵ Includes privately owned and/or operated establishments classified in "Ordnance and accessories."

No. 999.—MANUFACTURES—SELECTED STATISTICS, BY SIZE OF ESTABLISHMENT, FOR MAJOR INDUSTRY GROUPS: 1952

[Value added figures in thousands of dollars. See text, p. 787. Figures are based on sample and subject to sampling variation (see standard error columns). Figures for value added by manufacture derived by subtracting from total value of products the cost of materials, supplies, containers, fuel, purchased electric energy and contract work. Each manufacturing establishment is classified in this table according to its employment size, irrespective of size of company owning it. Where a single physical location comprises 2 or more units engaged in separate industrial activities (and for which separate reports can be prepared), each unit is usually reported as a separate establishment.]

MAJOR INDUSTRY GROUP AND ITEM	All establishments	ESTABLISHMENTS WITH AVERAGE EMPLOYMENT OF—					Standard error ¹ (percent)		
		1 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 to 2,499 employees	2,500 employees and more			
		A	B	C	D	E	F		
All industries, total:									
Number of establishments	267,000	255,396	6,305	3,036	2,1,574	587	2	2	2
All employees	15,944,379	6,085,376	2,194,133	2,094,297	2,385,009	3,185,564	1	2	2
Value added by manufacture	\$108,477,364	\$37,478,008	\$14,711,082	\$14,869,889	\$17,770,666	\$23,647,719	1	2	2
Food and kindred products:									
Number of establishments	36,829	35,818	646	250	391	24	4	6	6
All employees	1,476,583	856,296	218,289	170,093	138,152	95,853	2	5	5
Value added by manufacture	\$11,340,145	\$6,083,606	\$1,701,675	\$1,550,344	\$1,174,334	\$830,186	2	5	5
Tobacco manufactures:									
Number of establishments	(1)	(1)	52	20	21	1	—	—	10
All employees	93,175	18,551	18,288	14,004	8,42,332	(3)	3	15	8
Value added by manufacture	\$867,590	\$95,348	\$103,620	\$76,898	\$591,724	(5)	2	20	5
Textile mill products:									
Number of establishments	7,584	6,377	637	387	162	21	6	7	4
All employees	1,134,680	332,081	221,972	265,510	233,539	81,578	2	15	3
Value added by manufacture	\$5,256,307	\$1,573,202	\$1,030,873	\$1,217,643	\$1,078,929	\$365,860	2	15	4
Apparel and related products:									
Number of establishments	28,979	28,211	588	146	30	4	7	5	8
All employees	1,142,655	792,926	198,769	94,072	42,567	14,321	3	9	7
Value added by manufacture	\$4,849,336	\$3,497,522	\$713,088	\$374,191	\$184,028	\$80,507	4	7	7
Lumber and products (except furniture):									
Number of establishments	(1)	40,556	243	69	712	1	—	5	5
All employees	742,705	595,054	88,452	40,538	18,663	(6)	3	4	4
Value added by manufacture	\$3,449,260	\$2,003,416	\$440,951	\$262,882	\$142,011	(8)	3	4	4
Furniture and fixtures:									
Number of establishments	8,778	8,539	155	62	20	2	6	10	9
All employees	331,661	201,619	52,903	41,357	35,782	(6)	4	7	8
Value added by manufacture	\$1,904,405	\$1,113,217	\$304,976	\$258,208	\$228,004	(8)	4	7	6
Paper and allied products:									
Number of establishments	4,334	3,819	332	144	38	1	4	10	3
All employees	482,734	214,209	114,480	97,206	56,830	(6)	2	5	3
Value added by manufacture	\$3,890,003	\$1,495,403	\$996,655	\$929,151	\$468,794	(8)	2	4	3
Printing and publishing industries:									
Number of establishments	30,147	29,683	255	122	72	12	6	10	15
All employees	772,801	445,325	88,618	86,807	106,423	45,628	7	9	9
Value added by manufacture	\$5,660,124	\$3,043,234	\$603,356	\$693,848	\$883,077	\$376,609	3	7	9
Chemicals and allied products:									
Number of establishments	11,007	10,515	261	121	77	33	6	8	4
All employees	698,071	268,526	91,492	86,849	120,086	131,118	2	4	4
Value added by manufacture	\$8,266,761	\$2,003,703	\$1,283,509	\$1,105,174	\$1,572,681	\$1,701,604	2	5	3
Petroleum and coal products:									
Number of establishments	1,024	(1)	87	54	28	14	30	—	4
All employees	220,227	45,061	32,848	36,354	42,443	63,521	2	15	5
Value added by manufacture	\$2,618,927	\$524,567	\$369,510	\$488,754	\$498,384	\$747,712	2	9	5
Rubber products:									
Number of establishments	730	(1)	71	48	34	21	30	—	20
All employees	255,079	29,087	24,519	35,931	50,174	114,768	2	20	15
Value added by manufacture	\$1,744,141	\$199,101	\$150,067	\$223,749	\$367,811	\$803,413	2	20	15
Leather and leather products:									
Number of establishments	5,012	4,541	359	98	13	1	9	15	7
All employees	361,373	151,815	124,624	63,897	21,040	(6)	2	8	7
Value added by manufacture	\$1,597,377	\$600,099	\$552,529	\$288,250	\$90,499	(8)	2	8	6
Stone, clay, and glass products:									
Number of establishments	10,435	10,023	263	95	46	8	10	15	9
All employees	510,353	258,126	91,047	65,556	67,150	28,494	3	8	8
Value added by manufacture	\$3,531,294	\$1,685,412	\$650,592	\$493,776	\$509,566	\$182,948	3	7	6

See footnotes at end of table.

No. 999.—MANUFACTURES—SELECTED STATISTICS, BY SIZE OF ESTABLISHMENT, FOR MAJOR INDUSTRY GROUPS: 1952—Continued

[Value added figures in thousands of dollars]

MAJOR INDUSTRY GROUP AND ITEM	All establishments	ESTABLISHMENTS WITH AVERAGE EMPLOYMENT OF—					Standard error ¹ (percent)		
		1 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 to 2,499 employees	2,500 employees and more			
	A	B	C	D	E	F	A	B	C
Primary metal industries:									
Number of establishments	5,500	4,621	401	228	165	85	5	9	4
All employees	1,239,570	197,990	144,764	160,457	259,645	476,714	1	6	4
Value added by manufacture	\$9,045,495	\$1,441,893	\$1,189,810	\$1,271,779	\$2,058,868	\$3,082,145	1	5	3
Fabricated metal products:									
Number of establishments	17,952	17,157	445	285	896	20	5	5	4
All employees	1,007,589	471,402	155,872	162,215	8142,613	75,587	2	5	4
Value added by manufacture	\$7,168,308	\$3,348,949	\$1,145,295	\$1,186,217	\$8,061,007	\$26,840	2	4	4
Machinery (except electrical):									
Number of establishments	20,336	19,097	612	314	230	83	5	5	5
All employees	1,650,533	470,567	215,969	220,769	353,857	389,371	2	4	5
Value added by manufacture	\$12,805,556	\$3,712,089	\$1,676,300	\$1,702,967	\$2,688,321	\$3,025,874	2	4	5
Electrical machinery:									
Number of establishments	4,421	3,723	295	195	135	73	7	10	15
All employees	956,337	150,795	104,807	138,120	205,174	357,435	2	7	10
Value added by manufacture	\$6,868,847	\$1,053,283	\$660,700	\$1,033,124	\$1,415,355	\$2,700,385	2	7	8
Transportation equipment:									
Number of establishments	3,610	2,966	188	171	9167	138	10	7	10
All employees	1,655,270	104,540	62,412	118,572	8264,437	1,085,309	1	7	10
Value added by manufacture	\$11,924,276	\$690,053	\$424,302	\$886,003	\$2,144,642	\$7,779,276	1	8	15
Instruments and related products:									
Number of establishments	2,835	2,648	82	55	32	18	7	15	9
All employees	273,936	64,278	28,529	37,898	47,936	95,295	2	8	9
Value added by manufacture	\$1,958,071	\$425,430	\$217,430	\$274,562	\$320,407	\$720,242	2	8	9
Miscellaneous manufacturers:¹⁰									
Number of establishments	14,572	14,169	198	129	60	16	8	8	7
All employees	627,675	317,206	69,654	86,007	92,646	62,162	7	15	6
Value added by manufacture	\$3,730,941	\$1,628,481	\$430,754	\$552,389	\$645,159	\$474,178	4	8	6
Administrative and auxiliary:									
Number of establishments	2,262	1,961	152	93	45	11	-----	-----	-----
All employees	328,372	99,322	51,819	65,201	67,700	44,240	-----	-----	-----

¹ See Technical Note, p. 789, for explanation of standard error. Standard errors for column D are: 5 percent or less for food and kindred products, textile mill products, apparel and related products, chemicals and allied products, primary metal industries, fabricated metal products, machinery (except electrical); and from 5 to 15 percent for furniture and fixtures, leather and leather products, instruments and related products, miscellaneous manufactures. Other estimates in columns D, E, and F, unless otherwise indicated, are based on reports from all establishments known to be in appropriate size classification.

² Standard error 1 percent.

³ Standard error 3 percent for "Number of establishments" and "Value added," and 2 percent for "All employees."

⁴ Withheld because estimate did not meet publication standards.

⁵ Data cannot be shown without disclosing information for individual companies; therefore combined with figures for adjacent size class.

⁶ Standard error 4 percent for "Number of establishments" and "All employees," and 5 percent for "Value added."

⁷ Standard error 20 percent for "Number of establishments," 16 percent for "All employees," and 30 percent for "Value added."

⁸ Standard error 6 percent for "Number of establishments," 5 percent for "All employees," and 4 percent for "Value added."

⁹ Standard error 2 percent for "Number of establishments" and 1 percent for "All employees," and "Value added."

¹⁰ Includes privately owned and/or operated establishments engaged primarily in manufacture of ordnance and accessories.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures: 1952*

No. 1000.—MANUFACTURES—GENERAL STATISTICS

[See text, p. 787. 1950 and 1953 figures based on sample and subject to sampling variation.]

	INDUSTRY GROUP	1947		1950		1953	
		All employees (1,000)	Value added by manufac-ture ¹ (million dollars)	All employees (1,000)	Value added by manufac-ture ¹ (million dollars)	All employees (1,000)	Value added by manufac-ture ¹ (million dollars)
1	All industries, total	14,300	74,339	14,770	89,750	17,093	121,659
2	Food and kindred products ⁴						
3	Meat products	1,442	9,023	1,493	10,104	1,455	11,938
4	Dairy products ⁵	274	1,280	282	1,506	299	1,975
5	Canned and frozen foods	93	595	(6)	(6)	(6)	(6)
6	Grain-mill products	201	104	205	1,127	206	1,320
7	Bakery products	113	1,002	115	1,111	108	1,221
8	Sugar	279	1,363	294	1,639	286	1,929
9	Candy and related products	35	234	35	219	32	240
10	Beverages	92	587	(7)	(7)	83	684
11	Miscellaneous foods	203	1,849	(7)	(7)	214	2,377
12	Tobacco manufactures	152	1,199	140	1,222	120	1,446
13	Cigarettes	112	641	93	806	95	987
14	Cigars	28	368	28	493	30	662
15	Chewing and smoking tobacco	47	143	41	147	41	184
16	Tobacco stemming and redrying	11	58	9	64	(7)	65
17	Textile mill products	26	72	(7)	(7)	(7)	(7)
18	Woolen and worsted manufactures	1,232	5,323	1,245	5,642	1,158	5,412
19	Yarn and thread mills	180	786	157	737	132	653
20	Broad-woven fabrics	151	560	118	413	113	424
21	Narrow fabric mills	428	1,937	443	1,961	424	1,796
22	Knitting mills	28	111	25	107	29	133
23	Finishing textiles, except wool	229	851	246	988	241	1,037
24	Carpets and rugs	78	359	(7)	(7)	83	479
25	Hats, except cloth and millinery	57	331	69	475	53	365
26	Miscellaneous textile goods	21	92	19	83	15	76
27	Fabricated textiles, n. e. c.	60	206	(7)	(7)	68	449
28	Apparel and related products ⁶	1,082	4,440	1,151	4,176	1,227	5,415
29	Men's and boys' suits and coats	151	677	155	588	131	594
30	Men's and boys' furnishings	253	802	273	796	301	1,039
31	Women's and misses' outerwear	313	1,429	323	1,273	372	1,814
32	Women's undergarments	95	385	96	361	(7)	(7)
33	Millinery	21	101	21	100	19	98
34	Children's outerwear	48	178	60	221	68	305
35	Fur goods	16	128	(7)	(7)	(7)	(7)
36	Miscellaneous apparel	58	217	54	172	64	275
37	Fabricated textiles, n. e. c.	127	528	137	589	152	741
38	Lumber and wood products ¹⁰	642	2,520	750	3,166	720	3,501
39	Logging camps and contractors ¹⁰	(11)	(11)	(7)	(7)	81	453
40	Lumber and basic products ¹⁰	410	1,572	478	1,903	308	1,801
41	Millwork and related products	97	454	117	628	120	688
42	Wooden containers	69	233	56	208	(7)	(7)
43	Miscellaneous wood products	66	261	62	276	57	292
44	Furniture and fixtures ⁸	316	1,346	346	1,667	361	2,047
45	Household furniture	228	932	251	1,174	261	1,391
46	Office furniture	21	105	20	117	23	158
47	Public and professional furniture	15	70	13	78	19	118
48	Partitions and fixtures	28	138	27	148	35	239
49	Screens, shades, and blinds	20	82	27	141	(9)	(9)
50	Furniture and fixtures, n. e. c.	4	19	(7)	(7)	(7)	(7)
51	Pulp, paper, and products	453	2,913	478	3,438	533	4,463
52	Pulp, paper, and board	198	1,463	198	1,751	217	2,175
53	Paper coating and glazing	21	166	21	151	31	307
54	Envelopes	14	68	15	87	16	99
55	Paper bags	22	119	27	146	29	194
56	Paperboard containers	119	669	127	730	146	986
	Pulp, paper, and board products, n. e. c.	79	428	86	573	94	703

For footnotes, see pp. 802 and 803.

INDUSTRY GROUPS

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FOR INDUSTRY GROUPS: 1947 TO 1954

1947 figures adjusted to secure comparability with 1954. "N. e. c." means not elsewhere classified.

STANDARD ERROR ² (percent)		1954 (prel.)						1
		All employees		Production workers			Value added by manu- facture ¹ (million dollars)	Capital expendi- ture, new ⁴ (million dollars)
1950	1953	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man- hours ³ (millions)	Wages (million dollars)		
1	1	16,135	66,011	12,397	24,459	44,631	116,001	7,757
1	2	1,650	6,211	1,143	2,323	3,774	13,453	783
2	3	312	1,237	243	502	900	1,084	92
5	4	284	1,087	154	332	500	2,315	163
3	4	100	574	175	333	442	1,294	76
6	3	110	435	80	174	287	1,221	66
2	4	289	1,114	179	363	588	1,064	90
3	6	30	118	25	53	93	251	19
3	3	80	255	66	129	181	598	21
3	3	202	862	118	231	457	2,218	168
4	4	144	528	103	206	316	1,611	88
2	5	95	260	87	163	220	988	28
1	1	30	104	28	54	91	677	20
3	8	38	89	36	66	78	165	3
3	8	8	23	6	12	17	80	15
		19	43	17	32	33	65	4
2	1	1,022	2,985	932	1,797	2,485	4,672	226
3	7	91	300	82	162	246	458	19
2	2	108	259	101	183	225	307	25
2	1	375	1,025	353	689	910	1,480	68
7	6	25	76	22	43	59	118	5
3	3	220	504	200	367	483	327	40
3	3	81	297	70	147	233	490	27
2	3	51	185	44	86	145	362	24
8	11	13	41	11	20	32	62	1
	5	58	208	49	100	152	383	25
3	2	1,197	3,211	1,077	1,907	2,530	5,033	78
6	5	122	381	109	191	305	548	4
3	4	286	640	264	470	525	988	17
5	4	364	1,044	327	565	823	1,673	15
5	5	110	270	99	176	214	495	8
8	14	21	67	19	34	54	101	32
30	7	78	197	70	125	156	321	4
		10	43	8	14	34	75	33
6	7	64	164	57	100	124	265	4
9	5	142	398	125	231	296	566	25
3	3	649	1,941	586	1,115	1,615	3,178	220
	10	77	214	70	117	185	386	49
3	5	345	970	318	599	834	1,599	122
4	4	118	455	101	204	351	708	29
6	6	52	137	47	96	116	211	8
	6	57	165	50	99	120	274	12
3	3	339	1,194	287	568	897	1,952	60
3	4	243	816	207	410	616	4,313	37
2	5	22	86	18	37	67	155	44
15	11	19	74	17	32	61	121	6
5	7	33	143	27	53	102	228	5
7	8	19	60	15	28	41	110	46
	4	4	16	3	7	12	24	1
1	2	529	2,215	438	926	1,665	4,542	533
1	2	217	976	184	404	783	2,300	373
4	4	27	122	22	48	88	280	15
6	12	16	63	13	27	43	101	52
2	5	33	121	28	56	90	211	7
2	3	145	571	118	242	406	928	19
4	4	91	362	73	149	255	722	55

NO. 1000.—MANUFACTURES—GENERAL STATISTICS

INDUSTRY GROUP	1947		1950		1953	
	All employees (1,000)	Value added by manufacture ¹ (million dollars)	All em- ployees (1,000)	Value added by manufacture ¹ (million dollars)	All em- ployees (1,000)	Value added by manufacture ¹ (million dollars)
57 Printing and publishing ²	715	4,249	763	4,907	760	5,916
58 Newspapers	234	1,406	267	1,706	276	2,042
59 Periodicals	69	639	72	690	58	734
60 Books	52	326	56	440	(?)	(?)
61 Miscellaneous publishing	12	72	(?)	(?)	15	110
62 Commercial printing	192	970	196	1,091	202	1,392
63 Lithographing	52	314	53	322	57	451
64 Greeting cards	18	81	16	82	17	106
65 Bookbinding and related industries	43	177	40	179	40	216
66 Printing trades services	43	264	42	283	48	376
67 Chemicals and products	631	5,345	642	7,237	768	9,320
68 Inorganic chemicals	62	425	70	742	130	1,211
69 Organic chemicals	206	1,551	206	2,543	272	3,363
70 Drugs and medicines	81	747	(?)	(?)	94	1,306
71 Soap and related products	45	607	49	683	47	782
72 Paints and allied products	69	584	72	665	75	816
73 Gum and wood chemicals	8	63	(?)	(?)	9	66
74 Fertilizers	32	187	31	171	35	284
75 Vegetable and animal oils	43	482	44	393	40	370
76 Chemical products, n. e. c.	83	700	83	897	86	1,121
77 Petroleum and coal products	212	2,013	208	2,139	229	2,795
78 Petroleum refining	146	1,494	139	1,484	160	1,997
79 Coke and byproducts	39	278	41	408	40	512
80 Paving and roofing materials	19	156	21	183	20	179
81 Petroleum and coal products, n. e. c.	8	84	6	62	9	108
82 Rubber products	258	1,299	239	1,620	270	2,021
83 Tires and inner tubes	116	650	90	764	97	905
84 Rubber footwear	28	121	19	86	25	129
85 Reclaimed rubber	2	10	2	17	2	16
86 Rubber industries, n. e. c.	112	519	128	753	145	972
87 Leather and leather products ²	383	1,533	385	1,499	375	1,711
88 Leather tanning and finishing	53	404	50	319	46	272
89 Industrial leather belting	5	28	5	35	5	50
90 Footwear cut stock	22	87	22	72	20	93
91 Footwear, except rubber	240	786	241	855	244	1,027
92 Leather gloves	12	32	(?)	(?)	(?)	(?)
93 Luggage	16	68	15	60	16	84
94 Purses and small leather goods	26	97	32	99	30	126
95 Miscellaneous leather goods	9	31	9	40	(?)	(?)
96 Stone, clay, and glass products	462	2,305	491	3,138	506	3,753
97 Flat glass	25	159	26	202	26	225
98 Pressed and blown glassware	89	422	84	504	90	613
99 Products of purchased glass	28	130	25	188	29	232
100 Cement, hydraulic	36	248	38	391	38	464
101 Structural clay products	69	280	74	371	72	402
102 Pottery and related products	58	225	59	207	55	270
103 Concrete and plaster products	70	347	86	576	88	683
104 Cut-stone and stone products	10	46	(?)	(?)	19	105
105 Nonmetallic mineral products, n. e. c.	81	449	82	586	91	760
106 Primary metal industries	1,158	5,733	1,129	7,951	1,288	11,004
107 Blast furnaces and steel mills	546	2,657	555	4,102	611	5,648
108 Iron and steel foundries	266	1,118	228	1,171	250	1,626
109 Primary nonferrous metals	43	284	43	406	58	599
110 Secondary nonferrous metals	18	119	16	138	13	108
111 Nonferrous rolling and drawing	89	503	87	737	106	1,063
112 Nonferrous foundries	67	301	65	372	84	572
113 Primary metal industries, n. e. c.	130	751	134	1,026	167	1,488

For footnotes, see pp. 802 and 803.

INDUSTRY GROUPS

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FOR INDUSTRY GROUPS: 1947 TO 1954—Continued

STANDARD ERROR ² (percent)		1954 (prel.)						
		All employees		Production workers			Value added by manu- facture ¹ (million dollars)	Capital expendi- tures, new ⁴ (million dollars)
1950	1953	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man- hours ³ (millions)	Wages (million dollars)		
3	3	802	3,600	496	953	2,097	6,194	236 57
3	4	274	1,222	145	272	647	2,067	75 58
7	6	65	322	17	31	71	814	15 59
5	—	62	257	28	55	107	533	15 60
—	13	18	71	5	10	24	142	3 61
8	5	200	888	157	306	651	1,366	66 62
10	6	76	372	59	116	259	569	33 63
9	8	21	68	15	28	40	130	9 64
15	7	38	135	33	63	102	204	8 65
5	9	48	265	37	72	196	369	12 66
1	1	741	3,402	502	1,014	2,005	9,150	981 67
1	1	119	584	76	157	342	1,235	224 68
1	1	244	1,183	174	346	760	3,166	432 69
—	3	94	428	58	115	218	1,335	66 70
6	5	46	225	29	53	111	817	28 71
2	4	71	328	44	88	169	786	30 72
—	10	8	24	6	13	18	67	8 73
7	5	31	107	24	52	75	234	45 74
3	6	40	153	31	72	106	395	41 75
3	3	89	369	60	117	207	1,114	67 76
2	2	217	1,102	165	324	780	2,569	751 77
1	3	154	816	114	223	572	1,892	654 78
1	2	33	149	28	54	119	373	79 79
15	7	20	88	16	34	63	200	13 80
20	12	11	50	7	13	26	104	5 81
1	2	247	1,062	197	378	777	1,903	130 82
1	1	93	442	74	138	334	846	67 83
1	5	18	64	16	30	51	107	4 84
1	1	3	13	2	5	10	22	3 85
2	4	133	544	105	206	382	930	56 86
3	3	357	1,028	322	587	835	1,637	28 87
5	4	43	167	39	75	137	264	7 88
15	14	4	19	3	7	12	35	2 89
10	7	20	57	18	38	44	87	3 90
3	3	231	621	210	374	515	997	12 91
—	7	—	16	6	10	12	23	(*) 92
20	13	16	52	14	27	40	89	2 93
10	11	30	80	27	51	63	125	2 94
20	—	6	16	5	10	12	27	(*) 95
2	2	494	1,947	414	831	1,503	3,810	305 96
1	4	23	122	20	41	106	237	25 97
2	3	91	355	79	154	288	657	37 98
15	7	(*)	(*)	(*)	(*)	(*)	(*)	(*) 99
5	7	40	170	35	72	137	528	75 100
4	6	74	271	64	130	216	436	30 101
5	6	52	176	46	84	142	280	11 102
4	4	90	340	71	149	242	704	62 103
—	9	22	78	18	36	60	119	4 104
3	4	80	341	63	125	237	667	50 105
1	1	1,119	5,108	939	1,815	3,995	9,405	775 106
1	1	531	2,478	449	845	1,973	4,781	467 107
3	2	213	902	185	355	720	1,345	75 108
1	1	55	246	45	91	193	566	58 109
3	7	15	70	12	25	46	150	9 110
1	2	90	415	72	146	309	871	64 111
2	5	73	326	61	124	249	485	27 112
2	2	141	675	114	229	505	1,177	75 113

No. 1000.—MANUFACTURES—GENERAL STATISTICS

INDUSTRY GROUP	1947		1950		1953	
	All employees (1,000)	Value added by manufacture ¹ (million dollars)	All employees (1,000)	Value added by manufacture ¹ (million dollars)	All employees (1,000)	Value added by manufacture ¹ (million dollars)
Fabricated metal products						
114 Tin cans and other tinware	973	4,920	989	6,211	1,118	8,144
115 Cutlery, tools, and hardware	47	232	52	342	56	470
116 Heating and plumbing equipment	155	729	154	919	158	1,071
117 Structural metal products	152	793	135	880	124	805
118 Metal stamping and coating	213	1,141	230	1,557	272	2,086
120 Lighting fixtures	184	867	185	1,077	230	1,584
121 Fabricated wire products	47	239	46	277	54	384
122 Metal products, n. e. c.	60	281	68	392	70	483
	116	638	111	766	153	1,201
Machinery, except electrical	1,552	7,834	1,368	765	1,691	13,381
123 Engines and turbines	88	885	75	472	98	776
125 Tractors and farm machinery	171	754	166	1,071	164	1,260
126 Construction and mining machinery	114	641	97	645	134	1,069
127 Metalworking machinery	221	1,148	189	1,256	295	2,700
128 Special-industry machinery, n. e. c.	207	1,054	187	1,099	177	1,288
129 General industrial machinery	210	1,199	183	1,177	239	1,983
130 Office and store machines	98	501	87	542	102	731
131 Service and household machines	220	1,095	200	1,374	214	1,602
132 Miscellaneous machinery parts	215	1,066	181	1,128	269	1,963
Electrical machinery	796	3,860	766	4,815	1,096	7,876
134 Electrical industrial apparatus	315	1,579	284	1,800	379	3,076
135 Electrical appliances	44	235	47	341	45	346
136 Insulated wire and cable	22	105	18	116	23	204
137 Engine electrical equipment	44	109	40	264	53	348
138 Electric lamps (bulbs)	24	120	22	165	21	295
139 Communication equipment	303	1,374	314	1,866	532	3,382
140 Electrical products, n. e. c.	43	247	40	263	43	316
Transportation equipment	1,174	5,842	1,218	8,547	1,912	14,534
142 Motor vehicles and equipment	694	3,791	757	8,122	860	7,290
143 Aircraft and parts	219	955	200	1,551	817	5,764
144 Ships and boats	150	586	87	380	149	863
145 Railroad equipment	91	416	70	428	74	552
146 Motorcycles and bicycles	16	73	11	52	9	52
147 Transportation equipment, n. e. c.	4	21	3	14	(?)	(?)
Instruments and related products	245	1,140	226	1,389	285	2,169
149 Scientific instruments	18	76	26	129	31	239
150 Mechanical measuring instruments	60	281	60	370	79	585
151 Optical instruments and lenses	8	34	9	38	16	113
152 Medical equipment and supplies	39	189	36	229	44	318
153 Ophthalmic goods	23	87	(?)	(?)	20	116
154 Photographic equipment	56	279	43	324	60	561
155 Watches and clocks	40	104	32	190	34	237
Miscellaneous manufactures¹²	462	2,060	488	2,534	844	5,272
157 Jewelry and silverware	55	304	56	284	49	325
158 Musical instruments and parts	17	71	17	86	17	102
159 Toys and sporting goods	75	295	88	422	92	435
160 Office supplies	31	163	28	169	33	221
161 Costume jewelry and notions	66	263	69	313	76	357
162 Plastics products, n. e. c.	57	253	76	473	85	544
163 Miscellaneous manufactures ¹²	160	711	149	787	490	3,288
Administrative and auxiliary¹³	(11)		303		400	

¹ Value of shipments less cost of materials, supplies, fuels, electric energy, and contract work.² See text, p. 789, for explanation of standard error. Refers to columns "All employees"; standard errors for "Value added by manufacture" usually of same magnitude.³ Excludes hours paid for vacations, holidays, or sick leave. Includes actual overtime hours, not straight-time equivalent hours.⁴ Comprises, for plants in operation during 1954, expenditures for new structures and additions and new machinery and equipment. Excludes expenditures for "used" plant and equipment acquired from others and for land. In addition, approximately \$300 million was spent by manufacturing firms in 1954 for plants under construction.⁵ Data for 1954 include plants processing and distributing fluid milk; not included for prior years.⁶ Withheld since not strictly comparable with other years shown.⁷ Withheld because estimates did not meet publication standards; such estimates, when derived by subtraction, are generally unreliable.

FOR INDUSTRY GROUPS: 1947 TO 1954—Continued

STANDARD ERROR ² (percent)		1954 (prel.)								
		All employees		Production workers			Value added by manu- facture ¹ (million dollars)	Capital expendi- tures, new ⁴ (million dollars)		
1950	1953	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man- hours ³ (millions)	Wages (million dollars)				
1	2	1,040	4,488	836	1,683	3,236	7,766	423	114	
1	2	55	245	48	98	202	482	50	115	
2	3	144	590	118	236	444	1,042	46	116	
3	3	106	452	83	163	318	822	36	117	
2	3	301	1,346	229	463	922	2,367	107	118	
3	3	187	792	157	315	591	1,268	55	119	
5	5	46	184	37	74	130	328	14	120	
3	5	63	257	53	105	191	427	18	121	
3	4	138	612	112	228	488	1,030	96	122	
1	1	1,543	7,175	1,175	2,372	4,975	12,313	713	123	
2	1	83	406	61	123	282	699	40	124	
2	2	137	592	104	201	416	1,039	75	125	
3	3	107	496	78	157	320	880	44	126	
2	2	270	1,417	209	453	1,033	2,372	143	127	
2	3	168	762	125	254	504	1,227	48	128	
2	3	223	1,040	156	316	650	1,848	81	129	
1	2	102	457	82	162	339	779	42	130	
3	2	194	863	153	289	592	1,573	138	131	
2	3	259	1,142	207	417	839	1,894	102	132	
1	1	951	3,928	720	1,412	2,630	7,399	342	133	
2	2	842	1,507	252	500	995	2,795	137	134	
2	3	48	200	38	74	144	427	21	135	
4	8	14	57	11	22	41	108	8	136	
1	3	48	207	39	77	151	381	20	137	
1	3	22	79	19	37	63	219	8	138	
2	2	434	1,709	327	637	1,122	3,157	132	139	
2	4	43	169	34	65	114	312	17	140	
1	1	1,709	8,304	1,329	2,817	6,007	13,734	926	141	
1	2	701	3,431	588	1,310	2,729	6,388	732	142	
1	1	822	4,639	585	1,204	2,615	6,122	143	143	
4	4	126	561	110	215	408	768	24	144	
1	1	51	238	39	74	109	407	25	145	
2	8	7	29	6	11	22	43	1	146	
2	2	(*)	(*)	(*)	(*)	(*)	(*)	(*)	147	
3	2	270	1,189	194	388	752	2,104	94	148	
3	6	44	211	30	61	129	341	9	149	
3	2	68	298	48	97	188	534	21	150	
2	12	13	58	9	19	38	86	5	151	
4	7	38	149	27	54	90	272	12	152	
6	6	18	65	15	30	48	111	5	153	
2	4	59	289	41	81	178	560	38	154	
6	5	30	119	24	46	81	199	4	155	
3	2	700	2,669	558	1,086	1,853	4,199	175	156	
6	7	49	188	40	80	133	307	8	157	
3	12	15	61	13	26	48	93	2	158	
9	6	89	266	77	142	199	476	18	159	
30	11	28	108	20	41	63	193	7	160	
8	10	67	198	57	109	146	318	10	161	
8	5	94	358	78	140	245	593	43	162	
4	2	359	1,489	272	538	1,018	2,218	87	163	
		464	2,992						164	

⁸ 1950 and 1953 totals include industries not shown separately.⁹ Withheld from publication in order to permit further checking of data; figures included in totals.¹⁰ Data for 1950 to 1954 include logging camps and contractors, and sawmills producing less than 200,000 board feet of lumber; excluded for 1947.¹¹ Not available.¹² Includes privately owned and/or operated establishments classified in "Ordnance and accessories."¹³ Manufacturing concerns often reported separately for central offices or auxiliaries which serve the manufacturing establishments of a company, rather than the general public. Separate reports were obtained in 1954 from such units if at a different location or if they serviced more than one establishment. The 1950 and 1953 data were obtained from BOASI records.Source: Department of Commerce, Bureau of the Census; *Census of Manufactures, 1947*, Vol. II, *Annual Survey of Manufactures*, and *1954 Census of Manufactures*, Series MC-G-1.

No. 1001.—MANUFACTURES—GENERAL STATISTICS, BY STATES: 1947 TO 1953

[Money figures in thousands of dollars. See text, p. 787. Figures for 1950-1953 are based on sample and subject to sampling variation]

DIVISION AND STATE	1947			1950		
	Number of establishments	All employees (average for the year)	Value added by manufacture ¹	All employees (average for the year)	Number of production workers (average for the year)	Value added by manufacture ¹
United States	240,881	14,294,304	74,425,825	14,769,931	11,778,803	89,749,765
New England	20,274	1,474,684	6,813,800	1,433,359	1,181,769	7,417,675
Maine	1,635	100,181	432,123	108,309	95,202	454,278
New Hampshire	1,124	74,752	306,932	80,832	71,789	353,710
Vermont	880	34,872	149,685	40,656	35,395	205,938
Massachusetts	10,524	718,441	3,370,094	696,777	561,578	3,665,666
Rhode Island	2,214	146,850	658,420	135,473	115,307	614,636
Connecticut	3,947	399,588	1,806,546	371,332	302,498	2,123,447
Middle Atlantic	75,363	3,953,738	20,790,626	4,006,194	3,121,292	23,503,166
New York	47,819	1,775,975	9,686,588	1,829,479	1,365,557	10,511,860
New Jersey	10,755	738,229	1,177,080	730,650	575,288	4,867,312
Pennsylvania	16,789	1,430,534	6,046,958	1,446,065	1,180,447	8,123,994
East North Central	50,570	4,317,892	23,473,563	4,427,093	3,496,240	29,818,015
Ohio	12,303	1,194,603	6,359,006	1,192,224	935,796	7,972,073
Indiana	5,408	548,346	2,977,505	563,730	461,334	3,832,892
Illinois	15,988	1,184,820	6,680,137	1,187,206	909,025	7,938,449
Michigan	8,892	673,675	5,196,333	1,054,441	850,623	7,392,255
Wisconsin	6,979	416,448	2,260,574	420,402	339,452	2,037,346
West North Central	17,403	785,064	4,119,409	828,111	637,452	5,154,364
Minnesota	4,567	170,986	1,022,586	186,128	142,122	1,200,204
Iowa	2,965	140,425	671,100	147,429	110,296	925,762
Missouri	5,725	327,615	1,023,145	340,239	265,312	2,045,318
North Dakota	362	6,218	29,461	34,177	31,369	99,001
South Dakota	404	10,265	51,398	17,906	13,369	270,579
Nebraska	1,344	47,031	260,658	48,025	36,871	613,500
Kansas	1,946	74,624	401,061	88,389	69,982	270,037
South Atlantic	24,001	1,523,495	6,942,054	1,627,284	1,388,791	8,471,115
Delaware	482	34,465	182,088	45,269	34,116	287,592
Maryland	2,824	228,552	1,138,407	222,439	176,512	1,465,095
Dist. of Columbia	428	17,815	98,067	17,282	10,006	113,746
Virginia	3,644	210,637	1,051,629	225,133	192,484	1,326,495
West Virginia	1,602	127,363	663,908	129,242	105,001	882,401
North Carolina	5,322	381,480	1,646,673	403,295	367,263	1,862,825
South Carolina	2,137	188,601	794,312	195,954	178,455	857,716
Georgia	4,764	249,926	1,015,999	292,273	251,117	1,236,957
Florida	2,808	78,666	349,976	91,397	72,037	449,288
East South Central	10,907	633,765	2,875,428	649,792	556,895	3,452,683
Kentucky	2,244	129,504	740,772	138,444	116,833	957,040
Tennessee	3,346	221,454	957,530	226,372	192,868	1,174,446
Alabama	3,335	206,136	876,938	211,162	183,741	1,039,831
Mississippi	1,982	70,671	300,184	73,814	64,453	280,766
West South Central	13,181	550,241	3,027,709	603,787	469,090	3,849,399
Arkansas	1,924	65,321	265,144	72,926	62,622	320,723
Louisiana	2,380	132,464	694,074	126,055	100,501	915,970
Oklahoma	1,740	55,403	341,027	63,494	45,271	344,037
Texas	7,128	297,053	1,727,464	341,332	260,696	2,268,603
Mountain	5,049	141,638	839,202	157,142	122,809	1,042,063
Montana	652	16,092	92,258	17,040	13,614	107,837
Idaho	664	16,907	109,694	15,832	14,562	118,675
Wyoming	256	5,607	34,957	7,099	6,083	37,739
Colorado	1,602	54,071	286,774	56,508	42,959	340,795
New Mexico	432	7,590	55,486	13,527	10,755	102,897
Arizona	545	14,188	103,958	14,721	11,470	127,946
Utah	772	24,516	128,298	29,377	21,868	177,504
Nevada	126	2,667	27,777	3,088	1,498	25,670
Pacific	24,133	913,757	5,544,034	1,037,169	894,465	7,041,285
Washington	3,410	144,324	874,036	162,661	133,809	1,113,382
Oregon	3,075	105,591	875,017	110,419	101,997	806,947
California	17,048	663,872	3,994,981	755,089	568,650	5,120,976

See footnotes at end of table.

No. 1001.—MANUFACTURES—GENERAL STATISTICS, BY STATES: 1947 TO 1953—Con.

[Money figures in thousands of dollars]

DIVISION AND STATE	1952				1953				STAND- ARD ERROR % 1952 1953	
	All employees		Number of production workers (average for the year)	Value added by manufacturer ¹	All employees		Number of production workers (average for the year)	Value added by manufacturer ¹		
	Number (average for the year)	Salaries and wages, total			Number (average for the year)	Salaries and wages, total		Value added by manufacturer ¹		
U. S.	16,061,041	61,140,558	12,706,032	109,162,079	17,093,004	68,590,424	13,500,934	121,659,136	1	1
N. E.	1,503,282	5,404,018	1,219,812	9,023,974	1,588,828	5,958,283	1,294,707	9,904,786	2	4
Maine	108,321	323,033	96,208	525,514	110,187	354,377	96,733	583,855	4	2
N. H.	84,677	257,287	74,062	413,181	88,771	272,833	77,589	427,126	9	10
Vt.	42,180	150,042	35,677	264,155	38,811	143,327	32,705	246,754	20	4
Mass.	705,054	2,525,229	559,108	4,293,079	741,457	2,743,880	594,325	4,630,013	2	4
R. I.	131,698	446,880	110,037	724,446	152,019	529,587	130,151	824,482	4	8
Conn.	431,352	1,701,547	342,002	2,803,509	457,583	1,914,279	303,144	3,192,556	3	5
M. A.	4,277,177	16,524,299	3,320,456	28,590,270	4,498,084	18,291,234	3,491,465	31,654,930	1	1
N. Y.	1,950,032	7,623,909	1,472,952	13,145,941	2,053,428	8,419,085	1,555,434	14,410,234	2	2
N. J.	792,016	2,311,418	610,977	5,764,365	853,101	3,583,419	657,259	6,451,055	2	2
Pa.	1,535,129	5,608,972	1,236,527	9,678,984	1,501,505	6,288,730	1,278,772	10,708,641	1	1
E. N. C.	4,732,252	20,073,355	3,685,187	35,533,088	4,134,894	22,848,598	4,008,896	39,926,490	1	1
Ohio	1,336,020	5,068,114	1,043,719	10,037,844	1,420,095	6,352,819	1,106,329	11,192,103	2	1
Ind.	611,687	2,444,256	491,750	4,523,533	686,736	2,903,855	553,928	5,205,348	2	2
Ill.	1,255,635	5,156,159	956,714	9,319,779	1,316,089	5,688,441	1,093,889	10,111,624	2	1
Mich.	1,063,873	4,032,989	831,893	8,320,712	1,231,334	5,919,426	971,442	9,781,647	2	1
Wis.	465,037	1,871,517	361,111	3,331,220	450,640	2,004,059	373,108	3,035,768	2	2
W. N. C.	982,179	3,557,228	739,486	6,494,371	999,214	3,903,493	770,470	7,050,337	2	2
Minn.	211,899	804,582	158,468	1,445,476	214,494	868,804	161,262	1,554,405	4	4
Iowa	159,732	594,970	120,417	1,113,171	166,274	842,768	130,011	1,179,513	5	5
Mo.	378,258	1,360,676	292,704	2,422,709	405,061	1,552,445	314,145	2,788,820	3	2
N. Dak.	5,896	16,745	4,049	31,201	7,814	24,370	5,398	46,705	15	30
S. Dak.	11,564	41,937	9,931	76,022	10,441	37,038	7,619	80,703	20	5
Nebr.	53,063	186,180	41,779	344,436	57,558	210,973	45,006	401,398	6	3
Kans.	141,777	552,129	112,188	971,366	137,572	567,277	107,039	1,000,724	7	4
S. A.	1,751,671	5,152,447	1,484,507	9,656,904	1,816,621	5,670,176	1,525,603	10,686,205	2	1
Del.	58,070	239,593	36,580	372,445	58,550	255,801	33,817	378,975	10	4
Md.	260,678	917,091	206,978	1,706,104	261,948	1,014,618	205,621	1,854,582	3	5
Dist. of Col.	18,008	72,049	9,856	129,422	19,499	00,075	9,781	150,687	9	15
Va.	240,998	711,337	204,207	1,407,005	256,057	791,625	217,783	1,029,988	2	2
W. Va.	134,346	478,112	110,657	1,009,176	133,923	522,965	108,419	1,105,374	2	2
N. C.	418,588	1,088,813	373,768	2,018,824	446,265	1,201,301	396,554	2,274,019	3	3
S. C.	207,365	561,854	187,241	369,926	223,396	612,971	201,047	1,050,243	4	3
Ga.	294,506	751,043	259,268	1,355,318	306,367	848,075	263,447	1,845,467	6	3
Fla.	118,512	322,555	95,999	633,684	110,616	333,016	90,134	690,920	6	5
E. S. C.	699,863	2,072,078	592,577	4,038,423	747,148	2,372,074	632,278	4,666,926	2	2
Ky.	145,213	475,770	120,462	1,078,041	150,319	532,300	124,405	1,213,002	3	4
Tenn.	261,662	709,101	216,164	1,469,462	275,276	903,478	228,422	1,085,237	2	3
Ala.	213,010	608,102	186,063	1,139,198	228,179	697,865	197,217	1,311,436	2	2
Miss.	79,978	189,105	69,888	351,722	93,374	238,431	82,234	457,251	5	6
W. S. C.	676,186	2,355,825	534,757	5,186,213	739,798	2,718,965	569,839	5,646,834	2	2
Ark.	80,331	208,802	69,976	396,134	80,525	210,463	68,120	427,209	7	5
La.	135,446	459,114	109,773	1,090,597	152,549	538,448	121,987	1,179,569	4	3
Oklahoma	77,222	266,783	57,718	493,379	80,256	337,352	60,089	558,816	4	5
Tex.	383,187	1,421,126	297,290	2,308,103	420,408	1,628,705	310,637	3,486,240	3	4
Mt.	174,914	655,387	137,194	1,269,597	187,072	743,945	145,090	1,501,645	3	3
Mont.	17,414	66,902	14,190	138,952	17,768	71,975	14,683	142,045	10	15
Idaho	20,016	83,166	17,917	142,553	23,482	87,781	19,558	100,904	10	10
Wyo.	5,469	23,806	4,241	38,094	7,213	33,601	5,516	54,099	16	15
Colo.	59,390	213,998	45,450	397,464	60,220	257,137	46,269	438,466	6	4
N. Mex.	15,384	60,599	12,175	128,211	12,753	57,539	10,350	129,248	10	10
Ariz.	21,343	80,695	15,908	159,753	24,068	99,998	17,113	231,128	6	7
Utah	32,561	112,541	25,045	229,876	33,045	126,890	26,878	272,449	5	5
Nev.	3,337	13,681	2,268	34,694	6,625	29,024	4,723	67,306	15	20
Pac.	1,283,517	5,346,241	992,056	9,459,239	1,381,395	6,083,714	1,062,736	10,620,983	2	2
Wash.	201,008	813,115	163,783	1,445,203	190,214	823,147	161,903	1,482,007	4	4
Oreg.	137,940	546,482	119,267	1,049,151	132,385	556,923	112,887	985,884	6	6
Calif.	944,509	3,986,644	709,006	6,964,795	1,058,796	4,703,644	707,996	8,153,142	3	2

¹ Value of products shipped less cost of materials, supplies, fuel, electric energy, and contract work.² See Technical Note, p. 789, for explanation of standard error. Refers to columns "Value added by manufacturer"; standard errors for other columns usually of same magnitude.³ For 1950, data combined because of high standard errors associated with each State.Source: Department of Commerce, Bureau of the Census; *Census of Manufactures: 1947*, Vol. II, and *Annual Survey of Manufactures*.

MANUFACTURES

No. 1002.—MANUFACTURES—EXPENDITURES FOR NEW PLANT AND EQUIPMENT, BY INDUSTRY GROUPS: 1947 TO 1953

In thousands of dollars. 1950-1953 figures based on sample and subject to sampling variation. See text, p. 787. 1947, 1948, and 1950 figures exclude expenditures: (1) for plants under construction but not in operation; (2) for nonmanufacturing establishments of manufacturing companies; (3) for plants and equipment leased to manufacturers by owners; and (4) for used plant and equipment acquired from others. 1952 and 1953 figures include expenditures for plants under construction but not in operation.

INDUSTRY GROUP	1947			1950			1952			1953		
	Total expend- itures	New structures	New machin- ery and equipment									
All industries, total	6,403,873	3,881,730	5,110,262	1,411,330	3,698,932	7,953,429	2,579,117	5,374,312	8,047,392	2,685,339	5,462,553	1 1952
Food and kindred products	820,847	276,803	544,044	649,445	216,421	433,024	640,889	163,097	377,792	508,019	185,006	408,013 1953
Tobacco manufactures	35,612	9,919	22,726	17,654	6,833	10,821	6,544	15,794	20,420	7,630	21,700	3,3 15
Textile mill products	367,510	104,706	202,804	420,083	74,440	345,734	330,383	82,701	247,602	382,571	58,735	264,776 5
Apparel and related products	88,946	22,114	61,831	62,568	14,279	48,279	54,657	9,947	44,710	66,701	14,821	46,880 7
Leather and products (exc. furniture)	171,574	56,048	115,526	191,817	50,887	140,930	180,343	44,118	136,225	153,826	53,212	130,114 4
Furniture and fixtures	77,441	26,247	51,194	35,824	10,087	41,177	383,630	68,945	(1)	60,245	23,752	36,483 6
Paper and allied products	406,770	117,231	144,226	289,083	62,906	236,177	190,074	188,956	314,685	97,167	87,506	357,601 2
Printing and publishing industries	226,368	82,143	144,226	244,396	64,322	190,450	149,183	55,441	162,229	315,461	180,114	44,505 15
Chemicals and allied products	610,770	279,739	650,998	650,998	120,935	650,998	120,935	120,935	846,768	1,024,200	289,201	802,939 15
Petroleum and coal products	317,440	82,314	331,541	201,350	130,181	612,725	308,067	308,067	307,778	587,976	531,466	326,480 5
Rubber products	109,783	30,893	78,890	79,958	16,944	63,014	126,918	24,513	102,405	131,992	22,539	109,453 3
Leather and leather products	31,301	8,064	25,237	25,791	6,441	18,745	4,197	14,548	24,678	14,548	18,531	14,548 2
Stone, clay, and glass products	285,066	104,378	180,685	222,652	64,638	163,014	269,522	163,014	200,793	281,715	80,442	201,273 4
Primary metal industries	502,177	212,687	370,490	518,253	138,688	409,555	619,221	540,635	1,078,588	1,211,656	398,770	812,886 4
Fabricated metal products	304,822	92,119	212,703	317,027	93,091	223,936	337,861	93,690	244,171	446,208	149,269	296,989 5
Machinery (except electrical)	517,389	167,396	350,183	337,212	86,972	250,340	678,383	221,921	446,472	754,739	232,273	522,406 3
Electrical machinery	244,806	64,874	179,732	195,458	50,651	145,407	346,701	125,683	221,118	406,425	131,791	274,634 2
Transportation equipment	354,974	90,514	265,450	345,428	76,738	266,630	712,483	319,660	392,823	709,592	173,286	536,306 2
Instruments and related products	56,000	16,313	40,687	64,446	16,418	48,028	77,388	25,424	51,964	90,272	31,559	58,915 3
Miscellaneous manufacturers ¹	106,960	31,516	76,446	98,275	19,395	78,880	234,826	65,751	167,875	205,875	64,467	144,467 7

¹ Smaller establishments submitting "short" form reports were not requested to include data on capital expenditures. Resulting understatement is negligible (see Ch. VI of Vol. I).

² See "Technical Notes," p. 786, for explanation of standard error. Refers to total expenditures columns. Standard errors for new machinery columns approximately same as those for total expenditures; for new structures columns, they vary usually between 1 and 3 times the standard errors shown for total expenditures, up to a maximum of 20 percent.

³ Not fully represented in sample; capital expenditures understated by approximately 1 to 10 percent, corresponding understatement of "All industries" total is less than 0.3 percent.

⁴ Withheld because estimate did not meet publication standards.

⁵ Includes privately owned and/or operated establishments classified in "Ordnance and accessories."

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures*.

No. 1003.—MANUFACTURES—EXPENDITURES FOR NEW PLANT AND EQUIPMENT, BY STATES: 1952 AND 1953

[In thousands of dollars. See headnote, table 1002.]

DIVISION AND STATE	1952			1953			Standard error, 1952 (percent)
	Total ex- penditures	New struc- tures and additions to plant	New ma- chinery and equip- ment	Total ex- penditures	New struc- tures and additions to plant	New ma- chinery and equip- ment	
United States.....	7,953,429	2,579,117	5,374,312	8,047,892	2,585,339	5,462,553	1
New England.....	419,737	105,521	314,216	389,542	86,742	302,800	4
Maine.....	31,283	3,880	27,403	38,593	9,248	29,345	7
New Hampshire.....	319,115	33,569	315,646	14,681	2,622	11,950	30
Vermont.....	11,615	(2)	(2)	9,527	1,550	7,977	30
Massachusetts.....	3180,840	342,930	317,910	317,212	33,306	313,906	8
Rhode Island.....	29,476	5,841	23,635	33,643	8,495	25,148	7
Connecticut.....	147,039	47,758	99,281	313,353	31,29,989	3104,364	4
Middle Atlantic.....	1,777,707	574,657	1,203,050	1,622,020	541,394	1,080,626	2
New York.....	550,845	182,227	368,618	514,135	127,503	386,632	2
New Jersey.....	311,324	95,185	216,189	332,939	116,779	216,160	3
Pennsylvania.....	915,538	297,295	618,243	774,946	297,112	477,884	2
East North Central.....	2,536,513	827,941	1,708,572	2,642,571	760,788	1,881,783	2
Ohio.....	747,744	219,921	527,828	735,425	239,037	496,388	2
Indiana.....	379,394	147,572	231,822	426,047	135,138	290,909	2
Illinois.....	618,411	174,399	444,012	602,058	178,830	423,228	3
Michigan.....	607,846	218,259	389,587	708,306	158,085	560,221	2
Wisconsin.....	183,118	67,790	115,328	170,735	49,698	121,037	15
West North Central.....	327,411	135,031	192,380	387,323	121,099	266,224	3
Minnesota.....	55,559	17,321	38,238	96,113	23,660	72,455	7
Iowa.....	359,783	318,713	31,070	64,614	17,857	246,757	7
Missouri.....	129,323	59,768	69,555	112,844	33,409	79,435	3
North Dakota.....	(2)	(2)	(2)	13,070	10,230	2,840	-----
South Dakota.....	2,148	(2)	(2)	3,270	1,466	1,804	20
Nebraska.....	321,807	9,862	312,445	36,081	9,049	26,982	20
Kansas.....	56,264	28,283	27,981	58,714	23,490	35,224	10
South Atlantic.....	754,463	209,196	545,267	850,964	237,084	613,880	3
Delaware.....	31,511	17,606	13,905	27,024	4,031	22,993	2
Maryland.....	396,508	39,293	60,305	115,985	51,897	64,088	4
District of Columbia.....	3,884	636	3,248	3,733	1,421	2,312	20
Virginia.....	388,642	21,292	371,360	314,874	21,989	312,885	2
West Virginia.....	393,838	317,281	76,557	113,776	22,950	90,826	2
North Carolina.....	141,109	33,538	107,571	135,411	39,913	95,498	4
South Carolina.....	94,489	28,017	66,472	58,859	16,653	42,206	4
Georgia.....	103,666	32,576	71,090	143,866	49,999	93,867	20
Florida.....	87,475	19,671	67,804	103,205	22,126	81,070	5
East South Central.....	376,557	118,137	258,420	399,322	114,417	284,905	2
Kentucky.....	129,302	48,529	80,773	100,007	33,370	75,637	4
Tennessee.....	110,854	29,869	80,985	186,438	31,315	315,123	4
Alabama.....	102,831	35,241	67,590	98,571	32,589	55,982	2
Mississippi.....	329,300	3,963	23,436	31,369	4,778	20,591	5
West South Central.....	951,436	354,241	597,195	883,038	368,298	514,740	2
Arkansas.....	353,286	20,929	32,357	70,206	25,080	45,126	5
Louisiana.....	233,685	121,081	112,584	245,250	117,537	127,713	5
Oklahoma.....	338,272	314,297	32,975	62,894	39,730	23,184	3
Texas.....	619,116	194,702	424,414	504,688	185,951	318,737	2
Mountain.....	126,649	29,556	97,093	122,340	39,916	82,424	5
Montana.....	310,958	3,598	37,360	31,881	15,388	16,493	8
Idaho.....	24,861	4,198	20,663	16,818	6,514	10,304	5
Wyoming.....	15,142	1,978	13,164	14,423	5,777	8,646	9
Colorado.....	34,183	(2)	(2)	26,583	3,467	23,116	15
New Mexico.....	34,773	31,103	3,670	3,982	1,201	2,731	20
Arizona.....	11,193	2,558	8,635	7,199	2,421	4,778	30
Utah.....	317,076	34,702	312,874	15,009	3,070	11,930	5
Nevada.....	(2)	(2)	(2)	34,794	31,393	33,401	-----
Pacific.....	682,956	224,837	458,119	750,772	315,601	435,171	3
Washington.....	144,802	43,004	101,888	125,083	49,302	75,781	3
Oregon.....	80,154	17,764	62,399	63,377	17,736	45,641	7
California.....	457,910	164,069	295,841	502,312	248,563	313,749	3

¹ See Technical Note, p. 789, for explanation of standard error. Refers to total expenditures column. For 1952, standard errors for new machinery column approximately same as those for total expenditures; for new structures column, they vary usually between 1 and 3 times the standard errors shown for total expenditures, up to a maximum of 30 percent. For 1953, specific standard errors of division and State estimates are not available. For estimates of \$100,000,000 or more, the standard errors tend to be 5 percent or less; for estimates of \$20,000,000 to \$100,000,000, they tend to lie between 3 and 10 percent; for estimates of \$10,000,000 to \$20,000,000, they tend to lie between 5 and 20 percent; while for estimates of less than \$10,000,000, they are apt to range between 5 and 30 percent. These ranges are only general guides. For any particular estimates in the table, the actual standard error may vary considerably from the modal ranges.

² Withheld because estimates did not meet publication standards.

³ Excludes data for establishments under construction.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures*.

No. 1004.—WATER USE IN SELECTED MANUFACTURING INDUSTRIES: 1953

[For establishments reporting intake of 20 million or more gallons of water, which account for 90 to 95 percent of the water used. Date based on sample and subject to sampling variation]

INDUSTRY GROUP	TOTAL WATER INTAKE DURING ENTIRE YEAR (FRESH PLUS BRACKISH)		PERCENT OF TOTAL FRESH WATER INTAKE, BY SOURCE			Brackish water intake as percent of total intake	Water intake by establishments recirculating water as percent of total water intake		
	Billion gallons	Million gallons per employee	Company water systems		Ground water				
			Public water systems	Surface water					
All industries, total	11,430	1.50	19.8	66.7	13.5	21.3	52.6		
Food and kindred products									
Meat products	521	0.92	40.3	21.0	38.7	17.6	50.6		
Canning, preserving, and freezing	84	0.45	43.3	1.8	54.9	9.5	42.8		
Sugar	47	0.09	47.0	1.8	51.2	7.3	50.0		
Beverages	107	4.03	13.8	66.1	20.1	44.3	59.0		
Tobacco manufactures	81	0.78	53.4	8.0	38.6	12.6	49.6		
Textile mill products	(1)	0.07	86.5		13.5	62.8	29.4		
Cotton and rayon broad-woven fabrics	299	0.57	34.4	44.5	21.1	10.1	10.5		
Dyeing and finishing textiles, except knit goods	120	0.51	31.7	20.8	47.5	19.7	12.2		
Carpets and rugs	61	0.97	22.7	66.0	11.3	3.6	8.4		
Miscellaneous textile goods	6	0.16	32.2	59.2	8.6	24.2	52.6		
Apparel and related products	8	0.27	46.2	43.7	10.1	2.5	51.2		
Lumber and products (except furniture)	7	0.31	47.2	50.2	2.6		36.3		
Miscellaneous wood products	(1)	1.58	16.2	78.5	5.3	17.0	7.0		
Furniture and fixtures	2	0.61	7.2	84.1	8.7	4.2	88.3		
Household furniture	7	0.13	72.9	12.3	14.8	7.0	17.0		
Paper and allied products	5	0.16	81.0	0.1	18.9	9.8	5.1		
Pulp, paper, and paperboard	1,256	5.20	13.1	65.9	21.0	13.8	74.6		
Paper coating and glazing	1,231	6.41	12.9	65.9	21.2	14.1	75.1		
Printing and publishing industries	9	0.52	5.6	69.6	24.8		35.4		
Chemicals and allied products	12	0.12	92.0		8.0	0.3	17.5		
Industrial inorganic chemicals	2,734	5.87	7.4	71.2	21.4	34.3	50.3		
Drugs and medicines	783	11.98	7.7	50.4	32.9	14.1	42.6		
Soap and related products	28	0.54	27.5	42.2	30.3	7.9	32.4		
Gum and wood chemicals	22	0.87	55.4	13.2	31.4	45.6	51.6		
Petroleum and coal products	32	5.63	25.9	22.4	51.7	0.1	55.7		
Coke and byproducts	1,923	9.85	31.6	60.0	8.4	36.6	57.5		
Rubber products	313	8.93	8.9	88.0	3.1	14.2	62.7		
Tires and inner tubes	(1)	0.55	25.6	55.1	19.3	21.1	68.7		
Leather and leather products	80	0.81	7.3	72.2	20.5	21.4	68.2		
Stone, clay, and glass products	(1)	0.38	30.4	31.2	29.4	14.1	13.7		
Pressed and blown glassware	185	0.86	24.9	63.1	12.0	5.4	66.8		
Primary metal industries	12	0.18	51.0	3.8	45.2	7.2	33.7		
Blast furnaces and steel mills	3,670	3.64	13.2	82.9	3.9	10.3	50.7		
Iron and steel foundries	8,357	5.61	12.3	84.8	2.9	0.2	52.8		
Primary nonferrous metals	31	0.26	57.6	33.2	9.2	21.1	30.8		
Nonferrous metal rolling and drawing	181	3.79	7.5	72.8	19.7	24.9	20.0		
Miscellaneous primary metal industries	55	0.63	19.7	71.4	8.9	22.8	39.5		
Fabricated metal products	38	0.33	59.6	23.5	16.9	5.0	45.8		
Cutlery, hand tools, and hardware	(1)	0.23	83.4	5.2	11.4	5.7	10.4		
Machinery (except electrical)	13	1.18	71.3	7.6	21.1	34.7	24.4		
Engines and turbines	152	0.18	60.0	24.8	15.2	5.7	39.5		
Tractors and farm machinery	22	0.28	16.5	78.3	5.2	10.7	33.7		
Office and store machines	22	0.17	58.4	59.5	2.1	7.5	70.8		
Service and household machines	6	0.08	37.3		62.7		41.7		
Miscellaneous machinery parts	21	0.13	52.8	1.0	46.1	5.0	60.3		
Electrical machinery	42	0.40	89.0	1.0	10.0	1.7	12.6		
Electrical industrial apparatus	52	0.09	73.3	16.1	10.6	9.5	41.1		
Insulated wire and cable	26	0.13	64.5	27.1	8.4	13.3	27.2		
Communications equipment and related products	2	0.19	58.5	12.6	28.9	30.7	31.6		
Transportation equipment	16	0.05	82.5	6.3	11.2	2.5	45.6		
Aircraft and parts	137	0.09	75.8	8.5	15.7	5.7	30.9		
Railroad equipment	36	0.05	76.4	7.4	16.2	9.8	33.4		
Instruments and related products	9	0.14	42.8	50.6	6.6		27.0		
Miscellaneous manufactures	25	0.18	46.4	31.5	22.1	17.8	61.4		
	(1)	0.20	28.4	14.3	57.3	5.5	64.6		

¹ Withheld because the estimate does not meet publication standards.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures*.

NO. 1005.—PROPORTION OF EMPLOYMENT CONCENTRATED IN LARGEST MANUFACTURING COMPANIES, BY INDUSTRY: 1950 AND 1951

[Represents industries having employment of 60,000 or more in 1951; ranked in order of 1951 employment. Figures are based on sample and subject to sampling variation (see standard error columns). Tabulations from which data were taken were limited to those companies considered large in terms of employment as shown by 1947 Census of Manufactures. Where evidence indicated that the sample did not include companies which, in 1947, were among the largest 4 or largest 8 in an industry, the concentration ratio has been noted as not available. Moreover, there were certain companies which subsequently (1948 to 1951) qualified as large and may rank among the first 8 companies, which may have been omitted from the sample.]

INDUSTRY ¹	1950				1951			
	Employment	Concentration ratio ²		Standard error ⁴	Employment	Concentration ratio ²		Standard error ⁴
		Largest 4 companies ³	Largest 8 companies ³			Largest 4 companies ³	Largest 8 companies ³	
	1,000			Percent	1,000			Percent
Motor vehicles and equipment	721	.59	.69	1	721	.58	.66	1
Steel works and rolling mills	504	.55	.69	1	540	.54	.68	1
Sawmills and planing mills, general	459	.04	(5)	3	424	.04	(5)	3
Cotton broad woven fabrics	344	.14	.22	2	340	.15	.24	1
Aircraft	186	.53	.73	1	312	.52	.73	1
Newspapers	267	.16	.20	3	274	.15	.20	3
Bread and other bakery products	246	.16	.24	3	258	.16	.24	4
Radios and related products	202	.21	.32	3	217	.20	.30	3
Footwear, except rubber	230	.22	.28	3	215	.23	.29	8
Meat packing, wholesale	209	.47	.59	2	214	.46	.57	3
Commercial printing	196	.09	.13	8	203	.10	.15	5
Gray-iron foundries	160	.18	.24	3	166	.16	.21	4
Paper and board exc. building	150	.15	.22	1	153	.14	.22	3
Metal stampings	140	.17	.26	3	151	.16	.24	6
Petroleum refining	139	.40	.61	1	151	.39	.60	2
Canning and preserving, except fish	129	.20	.29	4	141	.19	.28	4
Men's and boys' suits and coats	151	.13	.19	7	136	.10	.17	5
Wood house furniture, upholstered	140	.06	.10	5	136	.07	.11	5
Dresses, unit price	138	.02	(3)	8	125	.02	(3)	3
Paperboard boxes	118	.12	.19	3	123	.12	.20	3
Motors and generators	93	.59	.68	2	117	.55	.64	2
Refrigeration machinery	123	.41	.59	3	117	.38	.55	3
Cutting tools, jigs, fixtures, etc.	87	.11	.17	4	112	.11	.17	5
Ship building and repairing	75	.53	.63	4	108	.44	.56	4
Aircraft engines	68	.54	.79	2	107	.55	.81	3
Rayon and related broad woven fabrics	96	.26	.34	3	106	.25	.34	6
Woolen and worsted fabrics	113	.29	.41	3	98	.26	.37	4
Men's dress shirts and nightwear	87	.17	.25	4	97	.14	.22	6
Tractors	79	.76	.90	1	95	.77	.91	1
Structural and ornamental products	91	.20	.23	3	94	.19	.24	4
Tires and inner tubes	90	.78	.90	1	92	.77	.89	1
Farm machinery (exc. tractors)	87	.45	.57	4	91	.45	.58	4
Construction and mining machinery	70	.16	.26	4	86	.17	.28	5
Bottled soft drinks	95	(3)	(3)	4	84	(3)	(3)	5
Machine tools	55	.25	.38	4	84	.23	.36	9
Yarn mills, cotton system	84	.12	.20	2	84	.13	.21	2
Malt liquors	81	.19	.30	3	82	.21	.33	3
Valves and fittings (exc. plumbers')	70	.21	.31	4	82	.26	.34	3
Finishing textiles, except wool	89	.12	.20	2	81	.12	.21	4
Electrical control apparatus	65	.38	.57	4	75	.44	.59	3
Full-fashioned hosiery mills	77	.16	.25	4	75	.16	.24	7
Machin shops	52	.12	.17	5	75	.10	.15	7
Synthetic fibers	72	.76	.94	1	73	.79	.97	1
Steel foundries	52	.23	.35	4	73	.26	.37	4
Millwork plants	74	.07	.12	5	73	.08	.12	5
Nonferrous foundries	65	.22	.31	2	71	.23	.31	3
Pharmaceutical preparations	(3)	(3)	(3)	(3)	68	.25	.37	7
Confectionery products	81	.12	.20	6	67	.12	.21	5
Concrete products	61	(3)	(3)	6	65	(3)	(3)	10
Boiler shop products	63	.19	.25	3	65	.22	.29	6
Electronic tubes	47	.04	.08	1	63	.08	.04	3
Mechanical measuring instruments	60	.30	.43	3	63	.33	.46	3
Ball and roller bearings	48	.63	.79	4	60	.60	.78	5

¹ Represents only the "4-digit" (Standard Industrial Classification) industries appearing in the 1950 and 1951 *Annual Survey of Manufactures*; excludes "residual" (usually referred to as "not elsewhere classified") industries.

² Employment of 4 largest companies (or 8 largest companies) divided by total employment of the industry.

³ Employment data originally collected on the basis of "establishments" have been summarized into company totals. Company affiliations of the "establishments" are based on Census records. Largest company ranking is determined by each company's total number of employees in the specified industry.

⁴ See Technical Note, p. 789, for explanation of standard error. ⁵ Not available.

No. 1006.—PROPORTION OF OUTPUT CONCENTRATED IN LARGEST MANUFACTURING COMPANIES, BY INDUSTRY: 1947 AND 1935

[Represents industries having shipments of one billion dollars and over; arrayed in order of value of shipments in 1947. Although industry classifications have changed considerably since the 1935 Census, direct comparisons are possible between 1947 and 1935 concentrations for 10 industries shown]

INDUSTRY	Number of companies	Value of shipments (\$1,000)	1947				1935 CONCENTRATION RATIOS	
			CONCENTRATION RATIOS				First 4 companies	First 8 companies
			First 4 companies	First 8 companies	First 20 companies	First 50 companies		
Motor vehicles and parts	770	1,357,7404	55.7	63.6	77.8	88.5	-----	-----
Meat packing, wholesale	1,990	1,976,995	41.3	53.6	62.5	68.8	-----	-----
Steel works and rolling mills	111	1,275,697	44.7	62.8	81.1	94.2	-----	-----
Petroleum refining	277	0,623,708	37.3	58.8	82.7	91.7	38.2	68.0
Cotton broad woven fabrics	422	3,294,623	13.1	22.2	40.4	63.2	-----	-----
Paper and board mills	453	2,812,048	15.6	23.7	36.5	56.4	-----	-----
Sawmills and planing mills, general	19,223	2,526,927	5.4	7.2	11.0	17.9	-----	-----
Flour and meal	1,084	2,511,543	29.0	40.6	56.7	72.2	20.4	37.0
Bread and other bakery products	5,985	2,416,891	16.4	25.9	36.3	45.9	-----	-----
Prepared animal feeds	2,372	2,180,203	18.8	26.7	39.8	53.3	23.0	34.3
Newspapers	8,115	1,917,302	20.9	26.0	35.6	49.0	-----	-----
Footwear, except rubber	1,077	1,716,980	27.9	34.7	45.0	55.3	-----	-----
Blast furnaces	33	1,713,945	67.3	82.1	95.5	-----	66.0	82.8
Canning and preserving, except fish	1,856	1,640,754	26.7	34.0	45.5	57.6	-----	-----
Prepared meats	941	1,235,537	29.5	39.6	49.6	62.5	-----	-----
Tires and inner tubes	35	1,547,040	76.6	89.6	99.3	-----	80.9	90.4
Radios and related products	709	1,773,233	25.6	35.3	54.4	73.0	-----	-----
Commercial printing	11,810	1,521,655	9.1	13.4	20.3	28.7	-----	-----
Paperboard boxes	1,323	1,475,438	17.9	27.4	40.7	50.6	14.1	20.7
Organic chemicals, n. e. c.	188	1,445,210	47.0	64.4	86.4	95.8	-----	-----
Men's and boys' suits and coats	1,761	1,411,575	8.8	15.3	26.1	39.9	-----	-----
Refrigeration machinery	542	1,597,486	39.1	54.5	71.6	84.1	-----	-----
Woolen and worsted fabrics	427	1,355,209	28.1	40.4	56.0	71.7	-----	-----
Dresses, unit price	4,165	1,353,068	2.6	4.7	9.3	16.9	-----	-----
Malt liquors	404	1,317,854	21.4	30.0	43.8	64.0	11.8	17.7
Food preparations, n. e. c.	1,801	1,312,466	31.8	40.8	52.8	64.8	-----	-----
Paints and varnishes	1,164	1,248,841	27.3	35.7	48.2	60.9	-----	-----
Gray-iron foundries	1,554	1,172,671	16.3	23.6	35.3	48.1	-----	-----
Metal stampings	1,054	1,164,290	17.4	25.3	37.1	51.5	-----	-----
Heating and cooking apparatus, n. e. c.	702	1,134,085	11.7	20.2	37.1	57.4	-----	-----
Cigarettes	19	1,131,891	90.4	99.7	-----	-----	89.7	90.4
Soap and glycerin	223	1,085,789	79.0	85.9	92.7	97.1	73.5	83.1
Periodicals	2,106	1,085,616	34.3	43.1	57.7	71.0	-----	-----
Leather tanning and finishing	500	1,070,085	26.5	38.6	55.1	74.7	22.5	34.3
Copper rolling and drawing	56	1,063,658	60.1	76.5	92.2	100.0	-----	-----
Motors and generators	224	1,007,186	58.6	66.0	80.4	93.0	-----	-----
Women's suits and coats	2,464	1,003,755	4.8	7.9	15.4	26.5	-----	-----
Rayon and related broad woven fabrics	432	1,002,923	30.7	39.3	58.0	76.4	-----	-----

¹ Value added by manufacture; value of shipments not used for concentration ratios because of excessive duplication in these industries owing to the fact that the products of some establishments of this industry are used as materials by other establishments also classified in this industry. Rank determined by value of shipments, however.

Source: Department of Commerce, Letter from Secretary of Commerce to Chairman, House of Representatives Subcommittee on Study of Monopoly Power (Celler Committee), with attachments (processed), Dec. 1, 1949. Based on 1947 Census of Manufactures.

No. 1007.—CANNED FRUIT AND VEGETABLE PRODUCTS—ANNUAL PRODUCTION: 1944-45 TO 1955-56

[Standard cases (in millions). Data are for pack years and are partly estimated]

PRODUCT	1944-1945	1945-1946	1946-1947	1947-1948	1948-1949	1949-1950	1950-1951	1951-1952	1952-1953	1953-1954	1954-1955	1955-1956
Fruits, total ¹	56.4	52.1	82.9	66.2	65.1	69.6	74.2	81.5	75.5	78.3	81.4	(2)
Apples	3.0	1.1	4.0	2.1	1.6	3.9	4.9	3.1	2.4	2.7	4.3	3.3
Applesauce	3.1	1.9	6.2	4.5	3.4	5.9	8.3	5.5	5.5	7.0	9.4	8.8
Apricots	7.8	4.4	10.7	3.3	4.8	2.4	3.7	4.6	4.0	4.8	2.8	5.9
Berries	0.5	0.4	0.8	1.0	1.8	2.0	1.3	1.7	1.4	1.4	1.4	1.1
Cherries, red, pitted	2.6	1.1	2.4	1.8	2.7	2.6	3.8	3.6	2.9	2.8	2.3	3.5
Cherries, other	0.9	1.3	1.8	0.6	0.8	1.7	0.7	0.9	1.3	1.1	1.0	1.4
Cranberries	0.6	1.8	3.2	2.2	1.3	1.8	2.5	2.7	2.5	2.8	3.0	3.1
Figs	0.9	0.7	1.2	0.8	0.6	0.3	0.5	0.7	0.8	0.5	0.5	0.6
Grapefruit	0.4	2.1	4.0	2.3	3.1	2.4	3.2	2.4	2.6	3.0	3.6	(2)
Mixed fruits	6.6	6.5	8.9	10.2	11.0	7.6	8.2	10.0	8.3	9.2	10.0	10.9
Peaches	13.6	14.8	20.0	19.0	17.4	19.1	16.6	22.8	19.3	21.1	18.5	22.5
Pears	4.5	4.7	5.2	5.7	4.0	5.9	6.4	6.6	6.6	5.8	7.8	8.3
Pineapple ³	9.1	7.9	8.4	9.4	10.8	10.8	11.3	12.2	14.6	18.4	13.1	14.7
Plums and prunes	1.8	2.5	4.2	2.3	0.9	1.8	1.0	2.4	1.6	1.4	1.7	1.7
Olives, ripe	1.0	0.9	1.9	1.0	0.9	1.4	1.8	2.3	1.7	1.3	2.0	1.9
Juices, total ⁴	96.7	110.6	110.0	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Apple	2.7	1.1	4.4	1.4	1.1	2.7	3.4	3.0	3.1	3.0	4.1	3.4
Apricot, peach, pear	0.9	0.2	1.5	1.5	1.6	1.5	(2)	(2)	(2)	(2)	(2)	(2)
Grape	2.0	2.5	3.4	3.4	3.5	2.8	(2)	(2)	(2)	(2)	(2)	(2)
Grapefruit	22.0	26.4	17.6	17.5	14.3	12.2	18.3	9.2	11.6	16.0	12.0	(2)
Lemon	(2)	0.6	0.4	0.5	0.4	0.6	0.4	0.4	0.7	0.3	0.5	(2)
Orange	16.8	22.6	19.7	27.3	19.3	19.5	22.5	20.9	18.9	18.6	18.1	(2)
Orange-grapefruit	9.0	14.0	11.0	12.4	10.8	7.4	9.4	6.6	8.1	8.5	5.1	(2)
Pineapple ³	8.9	9.6	9.0	9.9	11.5	12.0	13.7	12.2	16.9	16.4	16.0	16.2
Prune	2.7	4.9	4.0	3.9	4.0	5.4	4.5	4.0	(2)	(2)	(2)	(2)
Other fruit	0.2	1.3	3.5	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Tomato	28.4	23.4	29.2	19.5	27.8	23.5	26.2	36.2	35.8	37.8	27.1	26.9
Other vegetable	3.1	4.0	6.3	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Seasonal vegetables, total ¹	(2)	(2)	(2)	(2)	(2)	(2)	124.3	149.2	139.8	140.7	135.0	136.9
Asparagus	4.3	4.5	4.6	3.8	3.6	4.4	4.5	4.8	4.4	4.0	5.0	6.2
Beans, green and wax	18.6	17.5	18.3	13.1	15.2	20.6	21.0	19.4	16.3	22.6	27.1	23.4
Beans, lima	1.7	1.6	1.7	2.2	2.5	4.4	3.2	3.0	2.3	3.1	3.5	2.8
Beets	8.7	9.5	7.0	3.4	4.4	7.3	8.2	7.5	6.7	8.6	7.1	7.5
Carrots	3.1	3.6	3.7	1.0	3.1	1.8	1.9	2.2	2.8	2.7	2.1	1.8
Corn	25.4	28.7	31.0	26.1	31.5	29.8	18.2	25.6	32.3	31.0	30.6	24.1
Greens, leafy	1.0	3.0	1.5	0.9	1.7	2.5	2.0	2.8	2.9	2.8	2.1	2.5
Mixed vegetables	(2)	(2)	(2)	(2)	(2)	(2)	2.4	1.9	2.0	1.8	1.7	1.7
Peas, field	(2)	(2)	(2)	(2)	(2)	(2)	1.1	1.7	1.4	1.5	2.0	1.8
Peas, green	31.7	39.7	40.9	33.1	23.4	23.5	29.1	33.9	26.5	28.0	24.0	27.4
Pimientos	0.4	0.5	0.6	0.5	0.5	0.6	1.2	0.4	0.3	1.0	0.7	1.0
Pumpkin and squash	2.9	1.9	4.6	3.4	1.8	1.1	2.2	4.4	5.4	3.0	2.1	4.2
Spinach	9.0	8.4	8.4	3.9	5.0	6.7	5.6	7.6	6.1	5.4	4.0	6.0
Tomatoes	26.1	16.9	28.9	27.7	24.4	21.5	21.1	31.8	28.0	22.3	21.8	24.7
Other vegetable packs ⁶	(2)	(2)	(2)	(2)	(2)	(2)	2.0	2.5	2.3	2.9	1.9	1.8
Nonseasonal veget.-oils, total ⁴	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Beans, all dry varieties	26.5	34.7	35.0	37.1	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Hominy	(2)	(2)	(2)	4.3	4.5	4.8	(2)	(2)	(2)	(2)	(2)	(2)
Mushrooms	0.4	0.4	0.5	0.9	0.6	0.7	0.6	0.6	0.7	(2)	(2)	(2)
Sauerkraut	3.2	8.5	8.3	4.2	6.5	7.8	8.0	7.2	7.1	8.2	8.1	7.1
Spaghetti and macaroni	0.1	(2)	(2)	6.2	(2)	(2)	8.7	(2)	(2)	(2)	(2)	(2)
Sweet potatoes	1.7	3.1	4.2	1.7	1.8	3.1	4.3	3.2	5.0	4.9	4.1	5.1
Soups	29.7	39.1	43.0	48.5	42.0	41.0	(2)	(2)	(2)	(2)	(2)	(2)
White potatoes	1.6	(2)	(2)	0.9	1.6	1.5	1.6	1.3	2.6	2.8	1.7	2.7
Tomato products ⁴	33.5	33.8	45.0	35.7	25.4	21.8	26.0	46.9	37.2	30.3	31.4	41.3
Catsup and chili sauce	12.0	10.1	13.0	16.9	13.2	8.7	11.7	19.8	15.6	15.2	14.4	18.4
Pasta and sauce	10.0	11.5	16.2	12.9	8.5	9.0	10.3	19.4	17.0	11.5	13.8	18.6
Pulp and puree ⁵	11.5	12.2	15.8	5.9	3.7	4.1	4.0	7.7	4.7	3.6	3.2	4.3
Canned baby foods, total ¹	77.5	104.1	120.2	90.0	126.7	122.1	130.2	119.6	134.1	156.4	160.6	157.4
Desserts	7.5	9.8	10.6	7.2	10.1	8.5	9.3	9.9	12.1	14.4	14.7	21.0
Fruits	26.6	38.9	45.0	34.8	41.6	49.6	49.3	44.9	49.4	61.1	63.1	54.3
Meat compounds	16.1	21.0	36.8	24.7	38.0	36.1	40.4	36.4	43.2	47.5	49.0	50.5
Vegetables	27.3	34.4	27.8	23.3	37.0	27.9	31.2	28.4	30.4	33.4	33.8	31.6

¹ Basis 24 No. 2½ cans.² Not available.³ Hawaiian pack plus receipts from Puerto Rico. 1951-56 represents Hawaiian pack and foreign operations.⁴ Basis 24 No. 2 cans.⁵ Included in "Other fruit juices."⁶ Succotash, triple succotash, carrots and peas, okra, okra and tomatoes.⁷ Basis dozen cans.

No. 1008.—CANNED VEGETABLES, FRUITS, JUICES, AND FISH—CANNERS' CARRYOVER,
PACK, TOTAL SUPPLY, AND SHIPMENTS: 1954-1955 AND 1955-1956

[In thousands of actual cases]

COMMODITY	Season beginning date	Total supply, 1954-1955	1955-1956 SEASON			SHIPMENTS FROM SEASON DATE TO—	
			Total supply	Carry-over	Pack	Jan. 1, 1955	Jan. 1, 1956
Vegetables:							
Asparagus	Mar. 1	6,000	7,738	669	7,069	4,687	4,752
Beans, green and wax	July 1	33,967	28,181	6,171	22,010	15,000	12,208
Beans, lima	Aug. 1	4,411	4,149	970	3,179	(1)	(1)
Beets	July 1	9,942	(1)	1,495	(1)	4,503	(1)
Carrots	July 1	3,020	(1)	851	(1)	1,102	(1)
Corn	Aug. 1	41,906	34,530	5,322	26,208	15,820	14,029
Peas	June 1	31,488	33,095	1,873	31,222	17,507	18,219
Pumpkin and squash	July 1	3,145	3,764	195	3,568	2,458	2,012
Sauerkraut ¹	Aug. 1	8,415	6,550	2,250	4,300	3,100	3,050
Spinach	Jan. 1	4,871	(1)	(1)	(1)	(1)	(1)
Tomatoes	July 1	28,324	23,294	2,762	20,532	15,133	12,986
Tomato catsup and chili sauce	July 1	29,480	28,477	3,135	25,342	15,011	13,529
Tomato puree (pulp)	June 1	2,498	(1)	(1)	(1)	(1)	(1)
Tomato sauce ²	June 1	7,742	8,222	330	7,880	3,756	3,371
Fruits:							
Apples ³	Aug. 1	4,857	4,141	1,038	3,103	1,492	1,490
Applesauce	Aug. 1	15,835	14,180	2,424	11,756	5,401	5,446
Apricots	June 1	4,756	7,497	308	7,189	(1)	(1)
Cherries, red, pitted	July 1	3,253	5,027	125	4,902	1,815	2,761
Cherries, sweet	June 1	1,782	2,463	418	2,045	(1)	(1)
Fruit cocktail ⁴	June 1	15,268	16,727	2,138	14,589	8,911	9,826
Grapefruit segments ⁵	Oct. 1	6,582	8,237	905	82,332	1,224	1,231
Peaches	June 1	25,113	27,320	1,371	25,955	(1)	(1)
Pears	June 1	10,881	(1)	1,985	(1)	(1)	(1)
Pineapple ⁶	June 1	24,649	21,634	5,802	15,832	10,658	10,360
Plums ¹⁰	Aug. 1	2,118	2,263	569	1,694	768	956
Juices:							
Citrus blends ⁸	Oct. 1	4,771	8,1,545	163	8,1,382	1,002	851
Grapefruit ⁸	Oct. 1	12,324	8,2,719	898	8,1,821	2,437	1,914
Orange ⁸	Oct. 1	18,235	8,10,111	627	8,9,484	3,500	3,324
Pineapple ⁹	June 1	18,856	16,404	5,391	8,11,013	6,911	8,038
Tomato ¹¹	July 1	33,540	29,039	5,405	23,634	14,807	14,576
Fish:							
Maine sardines ¹²	Apr. 15	2,875	1,945	600	1,255	1,036	1,470

¹ Not available.

² Shipments to December 1.

³ Pack of sauerkraut in cases, barrels, and tanks, which have been converted to standard cases. Total supply to January 1.

⁴ Pack only.

⁵ Covers California only.

⁶ Basis 6/10's.

⁷ Includes fruits for salad and mixed fruits (except citrus).

⁸ Covers Florida only. Pack to January 1, 1956.

⁹ Covers Hawaii and the Philippines. Pack to January 1, 1956.

¹⁰ Covers purple plums only.

¹¹ Includes vegetable juice combinations containing at least 70 percent tomato juice.

¹² Measured in 100-case cases.

Source: Department of Commerce, Bureau of the Census.

No. 1009.—DENATURED ALCOHOL: 1910 TO 1955

[For years ending June 30. Includes data for Hawaii for all years and data for Puerto Rico beginning with August 1, 1928]

YEAR	Alcohol produced at industrial alcohol plants ¹	Denaturing plants operated	Ethyl alcohol used for denaturation ²	DENATURED ALCOHOL PRODUCED ³		
				Total	Completely denatured	Specially denatured
1910	Proof gallons		Proof gallons	Wine gallons	Wine gallons	Wine gallons
		12	10,605,871	6,079,027	3,076,925	3,002,103
1915		23	25,411,719	13,986,469	5,386,847	8,589,822
1920	18,933,551	52	45,640,949	28,836,550	13,528,403	15,307,947
1925	166,165,618	91	152,254,039	81,808,273	46,983,970	34,824,303
1930	193,823,717	68	185,000,827	106,776,978	59,063,510	47,713,468
1935	180,645,920	39	165,233,606	97,031,074	38,746,679	58,284,395
1940	243,727,756	40	225,160,792	126,761,830	15,352,033	111,409,797
1945	4,683,431,544	65	971,446,910	527,095,537	83,087,533	494,008,004
1940	351,015,364	47	323,925,930	174,494,703	10,221,492	164,273,211
1950	313,535,129	46	322,836,727	174,673,641	4,414,058	170,259,583
1951	444,935,011	48	455,909,873	245,437,178	1,438,564	243,998,614
1952	467,389,720	55	489,788,861	262,493,485	983,027	261,600,458
1953	484,990,164	53	444,845,420	239,825,796	626,773	230,202,023
1954	378,499,045	45	386,229,157	208,595,971	625,366	207,970,305
1955	411,840,037	46	395,334,023	213,228,012	574,887	121,654,015

¹ Separate accounts for alcohol produced at industrial alcohol plants required commencing May 1, 1920.

² Through 1940, represents withdrawals of all products for denaturation, that is, domestic ethyl alcohol, spirits produced by registered distilleries (redesignated upon receipt at denaturing plants as alcohol), and rum. Beginning 1944, represents all products (except rum) used for denaturation, that is, domestic ethyl alcohol, imported ethyl alcohol, and spirits. Rum is included for 1935 and 1940 because denatured rum is included with specially denatured alcohol for those years.

³ Prior to 1944 includes denatured rum.

⁴ Represents gross production. Net production (gross production minus products used in redistillation) for 1945, 650,089,874.

Source: Treasury Department, Internal Revenue Service; annual reports.

No. 1010.—ALCOHOLIC BEVERAGES—PRODUCTION, TAX-PAID WITHDRAWALS, AND STOCKS: 1940 TO 1955

[For years ending June 30. Includes data for Alaska and Hawaii. See also Historical Statistics, series J 172, for production of fermented malt liquor]

CLASS	UNIT	1940	1945	1950	1952	1953	1954	1955
Fermented malt liquor:								
Production	1,000 bbl. ¹	54,892	86,604	88,807	89,601	90,434	92,561	89,701
Tax-paid withdrawals	do	53,014	79,501	83,512	84,294	84,559	85,747	84,457
Stocks on hand June 30	do	9,019	9,262	10,982	10,962	11,058	11,846	11,027
Distilled spirits, total:								
Production ²	1,000 tax gal. ³	143,455	128,205	208,235	221,866	134,466	184,997	182,142
Tax-paid withdrawals ⁴	do	128,326	142,831	144,124	141,791	155,027	168,791	153,122
Stocks on hand June 30 ⁴	do	525,395	338,173	708,562	937,156	881,813	864,328	841,406
Whiskey:								
Production	do	98,993	41,562,118	760	103,544	66,755	102,541	103,927
Tax-paid withdrawals	do	81,207	63,891	60,499	64,908	71,351	75,699	74,356
Stocks on hand June 30	do	480,938	307,588	163,280	707,558	730,919	720,699	715,861
Rectified spirits and wines, production, total	1,000 proof gal.	47,657	118,863	107,861	93,928	97,772	90,411	81,925
Whiskey, production	do	37,977	101,645	94,908	83,146	83,888	77,610	72,409
Still wines:								
Production ⁵	1,000 wine gal. ⁶	212,368	314,983	297,857	524,008	392,505	348,483	380,229
Tax-paid withdrawals ⁷	do	82,571	91,782	135,581	124,771	134,508	130,477	136,279
Stocks on hand June 30 ⁸	do	93,421	103,930	128,483	171,950	160,027	141,897	128,475
Effervescent wines: ¹⁰								
Production	do	482	1,551	1,061	1,216	1,346	1,552	1,716
Tax-paid withdrawals	do	419	1,268	1,047	1,125	1,339	1,377	1,561
Stocks on hand June 30	do	660	1,132	1,619	1,515	1,427	1,478	1,401

¹ Barrels of 31 wine gallons.

² A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon. For spirits of less than 100 proof the tax gallon is equivalent to the wine gallon.

³ Excludes high-proof spirits and unfinished spirits produced at registered distilleries for industrial purposes.

⁴ Includes ethyl alcohol.

⁵ Production represents total amount removed from fermenters, including distilling material (substandard wines produced with excessive water or residue materials). In 1955, 249,537,281 gallons of distilling materials were produced.

⁶ Standard United States gallon.

⁷ Includes vermouth and other special natural wines.

⁸ Includes champagne, other effervescent wines, and artificially carbonated wines.

Source: Treasury Department, Internal Revenue Service; annual reports.

No. 1011.—ETHYL ALCOHOL AND OTHER DISTILLED SPIRITS, EXCEPT BRANDY AND SPIRITS (FRUIT)—MATERIALS USED IN PRODUCTION, BY KINDS: 1901 TO 1955

[For years ending June 30]

YEARLY AVERAGE OR YEAR	Molas- ses	GRAIN ¹				Ethyl sulphate	Pine- apple juice	Other materials ²	
		Corn	Malt	Rye	Other ³			1,000 gal.	1,000 lb.
1901-1905	1,000 gal.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 lb.
1906-1910	14,059	1,094,027	197,602	303,088	3,349				
1911-1915	30,630	1,114,277	202,720	280,112	1,893				
1916-1920	71,726	1,183,706	209,194	275,374	5,029				
1921-1925	109,627	958,003	125,429	65,139	5,298			40,457	
1926-1930	144,652	259,134	53,592	6,210	4,854			42,340	80,387
1931-1935	239,279	473,682	29,613	2,722	1,008	\$1,274		43,546	58,901
1936-1940	167,264	480,276	101,183	245,457	5,252	10,688	5,671	8,802	26,606
1941-1945	183,214	1,398,797	207,247	466,286	3,179	31,530	3,449	12,069	3,195
1946-1950	240,247	1,652,322	562,455	348,848	3,069,179	77,809	2,948	15,085	49,748
1951-1955	132,504	1,769,024	381,054	343,640	604,398	116,613	3,212	215,945	660,869
1956	132,028	1,562,061	272,758	274,881	543,080	180,685	6,129	299,738	100,870
1957	131,327	1,523,057	240,216	272,288	53,902	132,237	3,331	205,850	72,816
1958	131,206	2,700,404	564,853	428,730	1,601,429	148,393	4,404	292,053	75,229
1959	160,801	1,624,372	294,647	235,281	865,593	168,020	7,498	315,744	72,128
1960	223,737	891,384	133,290	160,174	58,561	183,167	6,212	318,880	120,121
1961	83,152	1,295,020	192,817	285,964	59,819	189,423	5,611	277,702	118,200
1962	61,245	1,209,117	178,184	264,251	139,996	214,421	6,919	294,311	118,661

¹ Conversion factor used was 56 pounds per bushel when reported in bushels.

² Wheat, barley, rice, sorghum grain, etc., also mixtures of corn, malt, and rye.

³ Diamalt, sulphite liquors, manioc meal, maguey juice, maple syrup, cider, corn sirup, potatoes, crude alcohols, mixtures, cellulose pulp and chemical mixtures, ethylene gas, whey, etc.

⁴ 4-year average.

⁵ 3-year average.

⁶ 1930 figure.

Source: Treasury Department, Internal Revenue Service; annual reports.

No. 1012.—DISTILLED SPIRITS, MALT LIQUORS, AND WINES—APPARENT AVERAGE ANNUAL PER CAPITA CONSUMPTION: 1850 TO 1955

[In gallons, except distilled spirits which is shown in tax gallons. For years ending June 30]

YEAR	DISTILLED SPIRITS			MALT LIQUORS			WINES		
	Total	Domestic	Im- ported	Total	Domestic	Im- ported	Total	Domestic	Im- ported
1850	2.24	2.02	0.22	1.58	1.57	0.01	0.27	0.01	0.26
1860	2.86	2.67	0.19	3.22	3.18	0.04	0.34	0.06	0.28
1870	2.07	1.89	0.18	5.31	5.28	0.03	0.32	0.08	0.24
1871-1880	1.39	1.35	0.04	6.93	6.90	0.03	0.47	0.31	0.16
1881-1890	1.34	1.31	0.03	11.37	11.34	0.03	0.48	0.39	0.09
1891-1895	1.37	1.35	0.02	15.20	15.15	0.05	0.39	0.32	0.07
1896-1900	1.12	1.10	0.02	15.53	15.49	0.04	0.36	0.31	0.05
1901-1905	1.39	1.36	0.03	17.34	17.29	0.05	0.47	0.40	0.07
1906-1910	1.43	1.39	0.04	19.81	19.73	0.08	0.62	0.53	0.09
1915	1.26	1.23	0.03	18.40	18.37	0.03	0.33	0.27	0.06
1920	0.22	0.22	(2)	2.61	2.61	(2)	0.12	0.12	(2)
1925	0.09	0.09	(2)				0.08	0.03	(2)
1930	0.08	0.08	(2)				0.03	0.03	(2)
1935	0.70	0.67	0.03	10.45	10.44	0.01	0.30	0.28	0.02
1940	1.02	0.93	0.09	12.58	12.57	0.01	0.66	0.63	0.03
1945	1.22	1.05	0.17	18.86	18.79	0.07	0.73	0.70	0.03
1948	1.06	0.97	0.09	18.58	18.56	0.02	0.79	0.77	0.02
1949	1.02	0.92	0.10	18.05	18.03	0.02	0.85	0.83	0.02
1950	1.02	0.92	0.10	17.26	17.24	0.02	0.98	0.91	0.02
1951	1.23	1.09	0.14	16.97	16.95	0.02	0.87	0.84	0.03
1952	1.00	0.87	0.13	16.94	16.92	0.02	0.85	0.82	0.03
1953	1.10	0.96	0.14	16.70	16.76	0.03	0.90	0.86	0.04
1954	1.12	0.97	0.15	16.68	16.65	0.03	0.86	0.82	0.04
1955	1.07	0.92	0.15	16.13	16.09	0.04	0.80	0.85	0.04

¹ Average for the period.

² Less than 0.005.

³ Includes quantities withdrawn for certain manufacturing, compounding, medicinal, and sacramental uses.

Source: Department of Commerce, Business and Defense Services Administration.

No. 1013.—TOBACCO PRODUCTS—PRODUCTION AND AMOUNT OF LEAF TOBACCO CONSUMED IN MANUFACTURE: 1901 TO 1954

[Data relate to products manufactured in continental U. S. and exclude tobacco used in bonded manufacturing warehouses. Leaf tobacco figures represent the equivalent in unstemmed leaf tobacco of stemmed leaf or scraps, cuttings, and clippings. Tobacco used in the manufacture of cigars and cigarettes was converted on the basis of 3 pounds of stemmed leaf or scraps, etc., to 4 pounds of unstemmed beginning 1915. For other conversion ratios, see source. See also *Historical Statistics*, series J 171 and J 174.]

YEAR OR YEARLY AVERAGE	PRODUCTION					TOBACCO CONSUMED IN MANUFACTURE				
	Tobacco and snuff			Cigars	Cigarettes	Total	Cigars	Cigarettes	Tobacco and snuff	
	Total	Smoking ¹	Snuff and other tobacco							
1,000 lbs.	1,000 lbs.	1,000 lbs.		Millions	Millions	1,000 lbs.	1,000 lbs.	1,000 lbs.		
1901-1905	346,841	138,402	208,440	7,230	3,235	451,461	124,411	12,444	314,606	
1906-1910	413,054	192,700	220,354	7,943	6,209	524,193	139,206	22,079	302,908	
1911-1915	437,246	221,865	215,481	8,141	14,818	578,283	151,860	52,207	374,180	
1916-1920	456,584	237,808	218,778	8,175	41,592	650,490	165,312	130,320	364,828	
1921-1925	409,467	239,161	170,307	7,249	68,021	672,077	151,421	198,069	322,588	
1926-1930	380,244	235,421	153,824	6,775	109,372	762,540	149,240	312,533	300,767	
1931-1935	349,785	239,072	110,713	4,894	121,723	740,934	112,296	345,985	282,652	
1936-1940	344,331	241,561	102,770	5,349	174,121	878,722	124,700	492,296	261,726	
1941-1945	327,473	217,829	109,644	5,583	285,499	1,182,914	133,383	821,311	228,221	
1946-1950	242,865	148,725	94,140	5,603	376,694	1,367,516	133,056	1,071,586	102,873	
1940	344,423	248,011	96,412	5,370	180,374	622,716	126,835	535,218	260,663	
1941	342,427	241,897	100,529	5,757	217,937	1,009,085	136,066	626,842	246,178	
1942	330,413	224,002	106,411	5,974	257,623	1,131,065	140,679	754,550	235,837	
1943	327,089	214,249	112,841	5,489	296,179	1,228,703	131,896	860,459	236,349	
1944	306,935	192,728	114,207	5,322	323,611	1,254,541	129,882	920,418	204,241	
1945	330,502	216,271	114,231	5,373	332,247	1,291,176	128,390	944,286	218,499	
1946	253,281	162,581	100,700	5,710	350,040	1,306,067	137,539	1,000,938	163,190	
1947	242,283	146,869	95,414	5,567	369,683	1,355,117	135,338	1,055,594	164,185	
1948	244,681	140,687	94,994	5,734	386,826	1,400,091	139,823	1,099,176	161,092	
1949	238,942	147,788	91,154	5,536	384,902	1,382,348	125,173	1,096,154	161,020	
1950	235,189	146,751	88,439	5,468	391,056	1,393,355	127,409	1,106,067	150,878	
1951	227,151	140,412	86,730	5,664	418,803	1,464,663	129,819	1,184,623	150,211	
1952	220,420	134,980	85,440	5,892	435,549	1,521,851	138,019	1,239,622	144,210	
1953	209,368	124,738	84,680	5,973	423,070	1,519,930	139,682	1,243,800	136,388	
1954	203,650	120,302	83,347	5,882	401,849	1,443,448	136,728	1,171,047	135,673	

¹ Includes scrap chewing tobacco.

Source: Treasury Department, Internal Revenue Service; annual reports.

No. 1014.—TOBACCO PRODUCTS—CONSUMPTION PER PERSON OVER 14 YEARS OLD: 1880 TO 1955

[In pounds (unstemmed processing weight). Beginning 1940, population base includes Armed Forces overseas. There are approximately 339 cigarettes, and 42.8 small cigars, per pound of tobacco]

YEAR	Total	Cigars	Cigarettes	TOBACCO		Snuff	YEAR	Total	Cigars	Cigarettes	TOBACCO		
				Smoking	Chewing						Smoking	Chewing	
1880	5.41	1.36	0.05	0.73	3.15	0.12	1942	10.69	1.41	7.01	1.13	0.75	0.39
1885	6.64	1.61	0.10	0.94	3.82	0.17	1943	11.46	1.28	7.99	1.02	0.77	0.40
1890	7.29	1.78	0.18	1.12	3.99	0.22	1944	11.22	1.22	8.04	0.82	0.74	0.40
1895	6.09	1.56	0.25	1.20	3.77	0.21	1945	12.46	1.26	9.15	0.96	0.68	0.41
1900	7.43	1.99	0.16	1.42	3.56	0.30	1946	12.20	1.37	9.24	0.60	0.63	0.36
1905	8.61	2.31	0.19	2.18	3.56	0.37	1947	11.95	1.29	9.16	0.59	0.56	0.35
1910	8.59	2.19	0.41	2.17	3.35	0.47	1948	12.12	1.31	9.35	0.58	0.52	0.36
1915	8.40	2.17	0.82	2.13	2.84	0.44	1949	11.93	1.16	9.35	0.59	0.49	0.36
1920	8.67	2.45	1.89	1.50	2.36	0.47	1950	11.96	1.18	9.36	0.59	0.49	0.34
1925	8.98	1.99	2.96	1.61	1.97	0.45	1951	12.48	1.19	9.98	0.53	0.45	0.33
1930	8.85	1.67	3.84	1.44	1.47	0.43	1952	12.92	1.26	10.41	0.49	0.43	0.33
1935	8.21	1.30	4.11	1.52	0.91	0.37	1953	12.90	1.26	10.46	0.44	0.42	0.32
1940	9.12	1.36	5.16	1.50	0.74	0.36	1954	12.11	1.22	9.73	0.43	0.41	0.32
1941	9.78	1.42	5.95	1.33	0.71	0.37	1955 ¹	12.17	1.22	9.83	0.40	0.40	0.32

¹ Provisional.

Source: Department of Agriculture, Agricultural Marketing Service; quarterly report, *Agricultural Economics Research*, Vol. VIII, No. 1, and records.

No. 1015.—BROAD-WOVEN FABRICS—PRODUCTION, BY TYPE: 1947 TO 1955

[In thousands of linear yards; in terms of gray goods except woolen and worsted which are in terms of finished yardage. Fabrics composed of a mixture of fibers classified according to primary fiber content except as noted.]

PRODUCT	1947	1950	1952	1953	1954 (prel.)	1955 (prel.)
Total broad-woven goods	12,371,120	13,105,067	12,160,416	12,946,200	12,295,953	12,971,608
Cotton woven goods over 12 inches in width, except tire fabrics, total	9,816,769	10,027,037	9,514,732	10,208,037	9,772,958	10,089,843
Cotton duck	206,415	248,890	366,081	268,223	238,432	245,770
Sheeting and sated coarse and medium yarn fabrics	3,038,975	2,736,691	2,416,939	2,556,855	2,450,553	2,576,136
Print cloth yarn fabrics	3,229,025	3,663,449	3,688,293	3,956,483	3,933,459	3,921,369
Napped fabrics	502,393	412,065	297,790	290,316	254,621	246,505
Colored yarn cotton goods and related fabrics	751,749	860,318	827,362	862,816	758,760	712,121
Fine cotton goods (all combed, part-combed, and fine carded goods)	1,312,582	1,218,381	1,112,721	1,307,928	1,260,044	1,343,032
Towels, toweling, washcloths, and terry-woven fabrics other than towels	408,606	453,662	428,358	475,086	448,368	497,604
Specialties and all other fabrics	367,024	432,681	427,188	490,330	438,721	547,306
Rayon and acetate broad-woven fabrics, total	1,976,835	2,406,205	1,851,693	1,903,233	1,660,288	1,881,756
Pile, upholstery, drapery, tapestry, and tie fabrics	57,060	37,763	50,119	63,442	72,937	101,755
100 percent filament rayon and/or acetate fabrics, total	1,230,805	1,601,282	986,722	1,051,844	887,760	867,402
Flat fabrics	652,252	860,375	710,693	681,369	613,778	693,938
Twisted yarn fabrics	584,553	740,907	276,020	370,475	223,982	173,464
100 percent spun rayon and/or acetate fabrics	332,451	434,085	407,273	442,120	430,115	520,112
Combination filament and spun rayon and/or acetate fabrics	178,982	202,450	227,074	138,594	114,946	112,142
All other rayon mixtures	171,537	180,625	180,505	207,224	204,530	280,345
Woolen and worsted woven fabrics, total¹	515,843	470,513	351,359	337,911	278,988	310,570
Apparel fabrics	445,388	390,638	307,951	290,652	266,439	295,510
Woolen	245,138	215,113	198,288	186,986	(2)	(2)
Worsted	203,250	175,525	109,683	104,166	(2)	(2)
Nonapparel fabrics	67,455	79,875	43,408	47,259	22,549	15,060
Silk, nylon, glass, and other fabrics, total²	61,673	201,312	442,632	502,019	583,719	689,439
100 percent nylon fabrics	21,881	110,233	279,168	315,426	340,547	372,728
100 percent silk fabrics	9,986	28,213	34,498	31,290	21,824	24,365
Other woven fabrics, not classified above	29,806	62,860	128,966	155,303	212,348	292,346

¹ Through 1950, includes all fabrics containing more than 25 percent wool; beginning 1951, includes fabrics containing 50 percent or more wool.

² Not available. ³ Includes fabrics made of acrylic, vinyl, protein, etc., fibers.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports, and *Facts for Industry*, Series M15A, M15C, M15G, and M15L.

No. 1016.—TIRE CORD AND FABRIC—PRODUCTION, BY KIND: 1947 TO 1955

[In thousands of pounds]

PRODUCT	1947	1950	1952	1953	1954 (prel.)	1955 (prel.)
Tire cord and fabrics, total	565,261	523,083	530,980	521,007	413,738	523,379
Cotton	350,685	226,050	139,001	73,216	50,832	67,158
Tire cord fabrics woven (except chafer)	1,285,076	126,806	74,834	16,113	1,12,490	1,16,399
Chafer fabrics and all other tire fabrics	65,609	60,655	48,280	57,103	47,333	50,759
Tire cord not woven	(1)	38,589	15,887	(1)	(1)	(1)
Rayon	2,214,576	2,296,983	383,897	428,941	324,128	406,819
Tire cord fabrics and all other tire fabrics	188,938	246,901	315,024	351,287	264,114	319,887
Tire cord not woven	25,638	50,082	68,873	77,654	60,014	86,932
Nylon			8,082	18,850	29,778	49,402

¹ Data for cotton tire cord not woven included with cotton tire cord fabrics woven.

² Includes nylon.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports, and *Facts for Industry*, Series M15A and M15M.

No. 1017.—COTTON-SYSTEM SPINDLES, COTTON CONSUMPTION, AND STOCKS: 1840 TO 1955

[Statistics for 1915 to 1955 relate to 12 months ending July 31 and those for prior years to 12 months ending Aug. 31. For 1946-55, spindles in place include all cotton-system spindles in place regardless of fiber spun. Prior to 1946, "in place" figure represents all spindles in place used exclusively for spinning cotton. Consumption and stocks are expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton for all years are in equivalent 500-pound bales. See also *Historical Statistics*, series J 179-180, for data on active cotton-system spindles in the U. S. and total cotton consumed including linters.]

YEAR	COTTON-SYSTEM SPINDLES (1,000)				Spindle hours consuming 100% cotton (millions)	COTTON CONSUMED, EXCLUDING LINTERS (1,000 bales) ²				
	Total in place	Active ¹				United States	Cotton-growing States	New England	Other States	
		United States	Cotton-growing States	New England						
1840	(*)	2,285	181	1,597	506	(9)	237	71	159	
1850	(*)	3,908	265	2,059	776	(3)	576	78	421	
1860	(*)	5,236	324	3,859	1,053	(3)	845	94	567	
1870	(*)	7,132	328	5,498	1,306	(3)	797	69	561	
1880	(*)	10,653	4,561	4,832	1,460	(3)	1,570	189	1,129	
1890	(*)	14,884	1,570	10,934	1,880	(3)	2,518	539	1,502	
1900	(*)	19,472	4,368	13,171	1,933	(3)	3,873	1,523	1,909	
1910	28,929	28,267	10,494	15,735	2,038	(3)	4,622	2,234	1,005	
1920	35,834	35,431	15,231	18,287	1,963	(3)	6,420	3,583	2,397	
1925	37,929	35,032	17,292	15,975	1,765	91,055	6,193	4,220	1,689	
1930	34,025	31,245	18,586	11,351	1,808	87,615	6,106	4,749	1,143	
1935	30,093	26,701	18,212	7,768	726	72,526	5,361	4,306	818	
1940	24,750	23,586	17,641	5,279	666	97,006	7,784	6,647	918	
1945	23,128	22,675	17,610	4,511	554	111,898	9,568	8,455	891	
1948	23,708	22,675	17,807	4,429	439	110,017	9,354	8,254	887	
1949	23,501	20,134	16,491	3,276	367	98,217	7,795	8,986	644	
1950	22,905	21,700	17,673	3,739	378	109,243	8,851	8,030	664	
1951	23,195	22,140	18,129	3,637	374	126,552	10,654	9,642	840	
1952	23,205	21,298	18,119	2,927	252	106,932	9,120	8,443	559	
1953	22,003	21,423	18,128	3,086	229	118,206	9,424	8,731	601	
1954	22,694	20,626	17,957	2,522	147	109,705	8,576	8,011	499	
1955	22,273	20,716	18,230	2,342	144	113,447	8,841	8,358	427	

YEARLY AVERAGE OR YEAR	CONSUMPTION (1,000 bales)								STOCKS IN CONSUMING ESTABLISHMENTS AT END OF YEAR (1,000 bales)	
	Cotton, excluding linters				Linters					
	Total	Domestic			Foreign	Cotton, excluding linters ³				
	Total	Upland	Sea Island	American-Egyptian	Foreign	Total	Domestic	Foreign	Linters	
1906-1910	4,820	4,680	4,616	664	-----	149	7,163	6,731	6,673	
1911-1915	5,257	5,051	4,976	75	(8)	206	293	822	788	
1916-1920	6,388	6,034	6,034	71	(8)	232	734	1,452	1,352	
1921-1925	5,869	5,577	5,531	9	37	292	599	1,003	911	
1926-1930	6,735	6,434	6,419	1	15	301	815	1,160	1,050	
1931-1935	5,466	5,325	5,311	1	14	140	720	1,116	1,061	
1936-1940	6,938	6,799	6,780	2	18	139	836	7,133	7,060	
1941-1945	10,301	10,151	10,105	3	42	149	1,399	10,354	10,233	
1946-1950	9,038	8,820	8,820	1	8	209	1,243	4,678	4,570	
1945	9,508	9,448	9,404	1	44	120	1,481	10,339	10,215	
1948	9,354	9,109	9,101	2	5	246	1,156	2,806	2,717	
1949	7,795	7,634	7,629	1	4	161	1,406	5,031	4,962	
1950	8,851	8,669	8,666	1	2	182	1,616	6,496	6,399	
1951	10,654	10,487	10,452	1	34	167	1,396	2,144	2,032	
1952	9,120	9,036	9,011	1	24	84	1,306	2,569	2,500	
1953	9,424	9,292	9,280	1	11	132	1,359	5,346	5,252	
1954	8,576	8,445	8,439	-----	6	131	1,324	9,473	9,398	
1955	8,841	8,714	8,705	-----	9	127	1,474	10,985	10,920	

¹ For 1945 and earlier years data represent sum of greatest number of cotton spindles reported by each mill as active at any time during year, regardless of length of time operated. Beginning with 1947, active figure includes all cotton-system spindles active last day of year, regardless of type of fiber spun. On July 31, 1955, there were 10,132,000 spindles active on cotton, 1,390,000 on synthetics, 195,000 on other fibers and blends, and 1,557,000 idle.

² Includes linters for 1840 to 1908. Figures for all years include foreign and domestic cotton.

³ Not available. ⁴ Cotton mills only.

⁵ Includes stocks held in public storage and at compresses beginning 1938.

⁶ Includes linters for 1906 to 1908. ⁷ Average, 1909 and 1910.

⁸ "Upland" includes "American-Egyptian" beginning 1912 (first year produced).

Source: Department of Commerce, Bureau of the Census; annual report, *Cotton Production and Distribution*.

No. 1018.—COTTON-SYSTEM SPINDEL ACTIVITY, 1953 TO 1955, AND COTTON CONSUMPTION, 1951 TO 1955, BY REGION AND STATE

[For years ending July 31. Consumption comprises domestic and foreign cotton and is in running bales, counting round as half bales, except foreign cotton which is in equivalent 500-pound bales]

REGION AND STATE	COTTON SPINDLES IN PLACE (1,000) ¹			SPINDEL HRS. CONSUMING 100% COTTON (millions)			COTTON CONSUMED, EXCLUDING LINTERS (1,000 bales)				
	1953	1954	1955	1953	1954	1955	1951	1952	1953	1954	1955
United States.....	22,903	22,694	22,273	118,206	109,705	113,447	10,654	9,120	9,424	8,576	8,841
Cotton-growing States.....	18,913	18,997	19,027	104,188	97,655	103,188	9,642	8,443	8,731	8,011	8,358
New England.....	3,704	3,441	3,059	13,420	11,644	9,967	840	559	601	499	427
Other States.....	286	256	187	598	406	292	172	118	92	66	56
Alabama.....	1,739	1,755	1,765	10,062	9,010	9,663	1,312	1,122	1,133	982	1,053
Connecticut.....	378	350	268	1,225	998	792	72	51	52	42	29
Georgia.....	3,249	3,198	3,164	17,734	16,250	16,998	2,370	1,992	1,914	1,704	1,767
Maine.....	606	598	599	2,890	2,569	2,423	207	166	189	172	160
Massachusetts.....	1,904	1,781	1,509	6,348	5,380	4,454	392	244	258	195	161
New York.....	87	56	40	152	51	40	66	38	22	8	7
North Carolina.....	6,114	6,078	5,994	31,513	28,262	29,892	2,870	2,483	2,673	2,396	2,511
Rhode Island.....	585	487	475	1,994	1,801	1,461	84	50	60	53	43
South Carolina.....	6,104	6,268	6,382	36,258	35,808	37,914	2,276	2,155	2,300	2,263	2,355
Tennessee.....	523	514	517	2,852	2,592	2,826	235	197	205	179	191
Texas.....	229	228	223	1,085	1,094	1,053	175	149	144	142	135
Virginia.....	648	650	659	3,136	3,291	3,666	233	189	197	194	207
All other States.....	737	731	688	2,957	2,539	2,275	362	284	277	246	222

¹ Comprises all cotton-system spindles in place regardless of fiber spun.

Source: Department of Commerce, Bureau of the Census; annual report, *Cotton Production and Distribution*.

No. 1019.—COTTON AND SYNTHETIC WOVEN GOODS, BLEACHED, DYED, OR PRINTED: 1947 TO 1954

[In thousands of linear yards. Fabrics are classified by chief fiber content]

PRODUCT	1947	1950	1951	1952	1953	1954 (prel.)
Bleached, dyed, or printed goods.....	8,915,147	9,328,681	8,894,416	9,802,504	9,647,322	9,344,681
Cotton.....	6,944,456	7,063,046	6,875,015	7,532,104	7,628,012	7,298,016
Synthetic and silk ¹	1,970,691	2,265,635	2,019,401	2,270,400	2,018,410	2,046,665
Bleached and white finished goods.....	3,814,867	3,466,795	3,547,803	3,598,229	3,560,434	3,391,443
Cotton.....	3,616,001	3,296,423	3,378,848	3,379,937	3,354,601	3,178,083
Synthetic and silk ¹	198,866	170,372	168,955	218,292	205,833	213,360
Plain dyed and finished goods.....	3,176,320	3,950,245	3,699,938	4,186,808	4,044,892	3,747,002
Cotton.....	1,757,386	2,166,113	2,094,618	2,413,140	2,454,167	2,203,362
Synthetic and silk ¹	1,418,934	1,784,132	1,605,320	1,773,668	1,590,725	1,543,640
Printed and finished goods ²	1,923,960	1,911,641	1,646,675	2,017,467	2,041,996	2,206,236
Cotton.....	1,571,069	1,600,510	1,401,549	1,739,027	1,820,144	1,916,571
Synthetic and silk ¹	352,891	311,131	245,126	278,440	221,852	289,665

¹ Comprises fabrics made of rayon, acetate, nylon, silk, glass, acrylic fibers, etc.

² Includes roller, screen, flock and block printed fabrics.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Facts for Industry*, Series M15G.

No. 1020.—WOOL MANUFACTURING EQUIPMENT IN PLACE, 1943 TO 1954, AND BY REGION AND STATE, 1949

[Data as of end of year, except as noted. Machinery in place is that which is set up in operating position]

YEAR, REGION, AND STATE	Worsted combs	Woolen spinning spindles	Worsted spinning spindles	Woolen and worsted looms	WOOL CARPET AND RUG LOOMS	
					Broad	Narrow
1943	2,582	1,653,550	1,957,593	42,213	2,422	3,488
1947	2,656	1,561,198	1,920,542	38,572	2,329	3,354
1948	2,679	1,535,127	1,863,335	38,146	2,359	3,209
1949	2,720	1,423,860	1,836,744	37,493	2,307	2,901
1950	2,808	1,308,139	1,814,430	36,337	2,338	2,556
1951	2,859	1,233,468	1,811,394	34,817	2,245	2,219
1952	2,694	1,127,077	1,691,088	33,811	2,226	2,262
1953 ¹	2,738	1,067,328	1,651,356	31,008	2,209	2,262
1954	(²)	(²)	(²)	26,106	(²)	(²)
1949						
United States	2,720	1,423,860	1,836,744	37,493	2,307	2,901
New England	1,915	749,919	1,286,740	21,695		\$80
Connecticut	(³)	128,573	(³)	2,083		(³)
Maine	(³)	138,332	84,500	3,417		(³)
Massachusetts	1,185	279,789	618,536	8,830		(³)
New Hampshire	(³)	112,045	53,520	2,618		(³)
Rhode Island	601	48,886	472,876	3,947		(³)
Vermont	(³)	42,294	(³)	500		(³)
Middle Atlantic	671	339,539	414,180	8,090		3,909
New Jersey	403	53,057	153,622	2,324		458
New York	74	173,845	67,663	1,814		2,050
Pennsylvania	194	111,737	192,840	3,952		1,401
Southern ⁴	(³)	165,756	95,838	4,654		(³)
North Central ⁵	80	138,854	46,100	2,532		(³)
Western ⁶	(³)	29,792	13,936	522		

¹ End of June, except woolen and worsted looms.

² Not available.

³ Not shown separately to avoid disclosure of individual company data.

⁴ Ala., Del., Ga., Ky., N. C., S. C., Tenn., Texas, Va., W. Va., Md., and Okla.

⁵ Ill., Ind., Iowa, Mich., Minn., Mo., Ohio, S. Dak., and Wis.

⁶ Calif., Oreg., Utah, Wash., and Wyo.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series MA22E, and a special tabulation from Series M15A, M15C, and M15L.

No. 1021.—KNIT GOODS: CLOTH, UNDERWEAR, AND OUTERWEAR—PRODUCTION BY TYPE: 1947 TO 1953

PRODUCT	Unit	1947	1950	1952	1953
Knit cloth for sale, total ¹	Million pounds	152.6	162.8	170.5	164.2
Warp knit fabrics	do	41.5	47.2	52.7	47.2
Circular knit fabrics	do	111.1	115.6	117.8	116.9
Knit underwear and nightwear:					
Made from warp knit fabrics, all fibers	1,000 dozens	7,798	16,017	21,581	21,793
Made from circular knit fabrics:					
Rayon, silk, and synthetics	do	10,932	12,371	9,508	9,312
Cotton and wool	do	40,557	43,271	41,630	44,945
Knit outerwear:					
Sweaters, jackets, and jerseys	do	6,677	8,733	8,228	8,921
Bathing suits and trunks	do	500	328	225	348
Knit headwear and neckwear	do	1,556	1,599	1,881	1,916

¹ Beginning 1950, represents shipments.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Facts for Industry*, Series M15K, M67C, and M67G.

No. 1022.—WOMEN'S, MISSES', AND JUNIORS' OUTERWEAR—SELECTED GARMENTS
CUT: 1939 TO 1955

TYPE OF GARMENT	Unit	1939	1947	1950	1953	1954	1955 (prel.)
Blouses.....	1,000 dozens	2,886	7,496	10,764	13,302	14,040	14,133
Unit price dresses.....	1,000 units	194,383	{ 127,791	139,607	142,876	140,580	145,901
Dozen price dresses.....	do		75,456	9,097	9,703	9,487	10,638
Suits.....	do	4,237	14,352	18,048	14,264	13,759	15,651
Skirts.....	1,000 dozens	1,084	2,020	4,784	6,072	6,311	6,911
Untrimmed coats.....	1,000 units	17,428	{ 18,956	22,598	22,703	25,464	25,607
Fur-trimmed coats.....	do		1,024	2,105	1,330		

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Facts for Industry*, Series M67H.

No. 1023.—MEN'S AND BOYS' CLOTHING—SELECTED GARMENTS CUT: 1937 TO 1955

[Leaders indicate comparable data not available]

TYPE OF GARMENT	Unit	1937	1939	1947	1950	1953	1954 (prel.)	1955 (prel.)
Suits.....	1,000 units	23,743	27,354	28,882	27,145	24,532		
Men's.....	do	20,733	24,737	26,428	23,695	21,666	19,301	21,231
Boys'.....	do	3,010	2,617	2,454	3,450	2,867		
Separate trousers.....	do			60,905	65,819	70,022		
Separate coats.....	do			5,286	8,855	10,127		
Men's and youths'.....	do			4,760	7,039	7,510		
Boys'.....	do			526	1,816	1,2,617		
Dress and sport shirts, men's.....	1,000 dozens	2,12,027	13,362	17,042	18,100	22,362	20,229	22,000
Overalls.....	do	4,114	3,975	6,807	9,824	9,988		
Men's and youths'.....	do			4,241	6,100	6,046		
Boys'.....	do			2,566	3,724	3,942		
Work shirts (includes flannel).....	do	6,062	6,850	5,815	5,796	5,642		
Men's.....	do			4,959	5,471	5,196	4,656	4,410
Boys'.....	do			856	325	446		

¹ Includes 35,000 units produced by manufacturers not canvassed in 1952.

² Includes polo, tennis, and basque shirts of knitted fabrics.

Source: Department of Commerce, Bureau of the Census; monthly data published in *Facts for Industry*, Series M67B.

No. 1024.—SHOES AND SLIPPERS—PRODUCTION, BY CLASS: 1939 TO 1955

[In thousands of pairs. Excludes rubber footwear]

CLASS	1939	1947	1950	1952	1953	1954 (prel.)	1955 (prel.)
Shoes and slippers, total.....	435,259	484,964	522,532	533,162	532,031	523,996	576,973
Footwear, except slippers, total.....	385,596	437,312	464,506	480,317	472,361	469,641	517,060
Shoes and sandals, total.....	385,596	429,923	456,611	473,504	466,058	463,662	510,312
Men's.....	104,762	2,107,486	103,361	103,859	100,735	94,485	106,107
Youths' and boys'.....	17,316	19,829	16,721	18,746	18,134	19,471	20,971
Women's.....	168,777	3,212,381	236,059	247,199	237,872	245,519	278,132
Misses'.....	46,091	27,026	32,706	34,840	38,671	36,727	37,448
Children's.....		27,035	29,173	32,144	32,874	31,169	31,039
Infants'.....		4,21,664	24,747	23,654	25,235		
Babies'.....		14,502	13,844	13,062	12,637	36,291	36,615
Athletic shoes.....	4,144	4,233	3,644	2,735	3,309	3,439	4,259
Other footwear.....	(6)	3,156	4,251	4,078	2,994	2,540	2,489
Slippers for housewear.....	49,663	47,652	58,026	52,845	59,670	54,355	59,913

¹ Includes 19,874,000 pairs of playshoes and other footwear not shown separately.

² Includes 743,000 pairs of men's, youths' and boys' playshoes.

³ Includes 29,665,000 pairs of women's and misses' playshoes.

⁴ Includes 758,000 pairs of infants' and babies' playshoes.

⁵ Included in "Shoes and sandals, total."

Source: Department of Commerce, Bureau of the Census; 1939 and 1947 Census of Manufactures reports, and *Facts for Industry*, Series M68A.

No. 1025.—HOSIERY—PRODUCTION, BY TYPE: 1945 TO 1955

[In thousands of dozens of pairs]

TYPE	1945	1950	1951	1952	1953	1954	1955
Total, all types	135,841	160,486	154,750	163,264	158,788	151,818	151,996
Women's full-fashioned, total	34,740	51,585	51,183	51,806	50,657	48,832	47,250
Nylon	3,056	51,032	50,740	51,455	50,334	48,537	46,081
All other	31,684	553	443	351	323	295	269
Seamless, total	101,100	108,901	103,567	111,458	108,131	102,986	104,746
Women's seamless, total	7,420	7,449	7,651	7,672	8,552	9,742	12,655
Nylon	216	4,303	4,885	5,115	6,272	7,845	10,662
Rayon	3,972	1,161	1,104	896	713	580	566
Cotton	2,474	1,619	1,360	1,381	1,259	1,095	1,209
All other	758	306	302	280	308	222	218
Men's full-fashioned	118	35	37	43	36	38	25
Men's seamless half-hose, total	35,030	14,022	13,977	14,376	11,904	9,981	8,887
Silk	—	4	2	7	(1)	5	3
Nylon	6	605	559	678	503	1,159	1,134
Rayon	8,180	4,281	3,631	3,014	2,641	1,481	1,178
Cotton	14,875	7,271	7,518	8,049	6,723	5,762	5,375
Wool	11,969	1,862	2,267	2,621	2,030	1,552	1,143
Synthetics, other	—	—	—	7	7	22	54
Men's slack socks, total	13,564	32,488	30,136	32,302	31,527	31,906	32,422
Silk	(2)	4	11	3	2	1	1
Nylon	(2)	3,038	3,241	4,009	5,163	8,025	9,486
Rayon	(2)	7,802	6,850	6,071	5,178	3,809	2,974
Cotton	(2)	20,291	18,895	20,868	19,820	18,935	18,261
Wool	(2)	1,303	1,139	1,144	1,134	999	1,543
Synthetics, other	—	—	—	207	280	137	157
Cotton bundle goods	5,248	5,511	5,212	4,723	4,281	4,426	4,326
Woolen bundle goods	3,704	1,547	1,834	1,603	1,267	1,098	1,421
Athletic socks	—	347	2,354	2,067	1,840	1,797	2,106
Crew socks	(3)	3,082	2,810	2,953	2,966	2,366	2,148
Slipper socks	—	440	493	340	230	132	85
Children's and infants'	6,281	9,465	9,893	10,979	9,771	8,118	8,563
Anklets, total	28,978	32,557	29,457	34,627	35,700	33,381	32,108
Misses' and women's	18,816	14,183	13,251	14,427	15,279	13,809	12,847
Men's and boys'	1,986	4,190	3,837	5,046	5,381	5,436	5,168
Children's	(4)	8,130	6,703	9,224	9,449	6,621	9,490
Infants'	8,085	6,054	5,666	5,030	5,711	4,515	4,603

¹ Less than 500 dozen pairs.² Not available.³ Included with men's slack socks.⁴ Included with infants' anklets.Source: National Association of Hosiery Manufacturers, New York, N. Y.; published annually in *Hosiery Statistics*.

No. 1026.—LEATHER—PRODUCTION, BY PRINCIPAL TYPES OF RAW STOCK: 1937 TO 1955

[Cattle hide in thousands of hides, other figures in thousands of skins]

YEAR	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb ¹	YEAR	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb ¹
1937	22,380	12,027	46,554	34,222	1947	28,813	12,471	37,256	36,555
1938	19,047	12,991	31,905	28,941	1948	26,071	10,484	37,931	33,532
1939	22,095	14,027	40,419	39,384	1949	23,388	10,173	34,752	28,736
1940	21,013	11,337	37,697	37,920	1950	24,385	10,559	37,183	31,397
1941	28,099	13,098	45,355	51,865	1951	22,708	7,962	31,091	24,504
1942	30,822	12,264	41,122	53,634	1952	22,675	9,964	30,427	27,916
1943	25,656	11,112	37,351	59,315	1953	24,053	9,958	32,142	28,173
1944	26,114	10,930	34,666	53,959	1954	24,089	9,372	26,470	23,796
1945	27,576	11,636	24,026	51,847	1955	25,776	10,393	26,049	25,762
1946	27,033	10,882	24,137	47,971					

¹ Prior to 1940, includes skivers and excludes fleshers; beginning 1940, includes fleshers and excludes skivers.Source: Tanners' Council of America. Monthly figures published in *Survey of Current Business*.

No. 1027.—RUBBER (NATURAL, RECLAIMED, AND SYNTHETIC)—NEW SUPPLY, DISTRIBUTION, AND STOCKS: 1945 TO 1955

[In tons of 2,240 pounds. Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic comprises GR-S, Neoprene, Butyl, and Butadiene-Acrylonitrile; reclaimed comprises both natural and synthetic rubber reclaims]

ITEM	1945	1949	1950	1951	1952	1953	1954	1955
New supply, total	1,209,761	1,295,552	1,620,112	1,954,869	1,899,013	1,807,171	1,494,701	1,943,330
Domestic production	1,064,218	617,719	789,190	1,211,092	1,071,952	1,143,991	879,940	1,296,382
Natural	536							
Reclaimed	243,309	224,029	313,006	365,933	273,386	295,550	257,088	325,974
Synthetic	820,373	393,600	476,184	845,159	798,566	848,441	622,852	970,468
Imports	145,543	677,833	830,922	743,777	827,061	663,180	614,761	646,948
Natural	135,136	660,566	804,142	732,925	805,575	647,614	596,847	635,174
Reclaimed	(1)	25	1,059	767	1,595	2,786	1,013	735
Synthetic	10,407	17,242	25,721	10,085	19,891	12,780	16,901	11,039
Distribution, total	1,143,979	1,234,685	1,590,324	1,586,993	1,577,720	1,665,999	1,520,853	1,960,369
Domestic consumption	1,040,045	1,211,682	1,562,290	1,560,419	1,541,415	1,623,359	1,482,061	1,842,480
Natural	105,420	574,522	720,288	454,015	453,846	553,473	590,285	634,800
Reclaimed	241,036	222,679	303,733	347,507	280,532	288,060	249,049	312,749
Synthetic	693,580	414,381	538,289	758,397	807,037	784,836	630,727	894,899
Exports	103,934	23,103	28,034	26,574	36,305	42,640	47,792	117,889
Natural	6,743	6,253	8,722	2,603	3,024	8,376	7,443	10,611
Reclaimed	13,413	10,367	11,741	14,722	11,180	11,597	10,232	13,988
Synthetic	83,778	6,483	7,683	9,249	22,101	22,667	30,117	93,290
Stocks, end of year ²	350,324	232,936	177,681	251,603	244,911	320,480	285,684	279,342
Natural	118,715	106,619	89,215	76,569	95,260	112,316	104,543	110,105
Reclaimed	28,155	28,263	35,708	45,082	30,664	32,319	30,746	31,498
Synthetic ³	203,454	98,054	52,758	129,952	118,987	175,845	150,395	137,739

¹ Less than 0.5 long tons.

² Differences between "new supply" and "distribution" not precisely comparable with "stocks" due to year-end and inventory adjustments. ³ Includes stocks shipped for export which had not yet cleared port.

Source: Department of Commerce, Business and Defense Services Administration. Monthly data published in *Survey of Current Business*.

No. 1028.—SYNTHETIC ORGANIC CHEMICALS—PRODUCTION AND SALES, BY GROUP: 1953 AND 1954

GROUP	1953			1954		
	Production	Sales	Sales value	Production	Sales	Sales value
ORGANIC CHEMICALS, CYCLIC						
Intermediates	1,000 lb.	1,000 lb.	\$1,000	1,000 lb.	1,000 lb.	\$1,000
Finished products	4,638,555	1,874,175	341,421	4,613,869	1,792,831	319,875
Dyes	4,938,508	4,198,285	1,669,890	4,560,085	3,971,632	1,650,577
Color index	165,806	151,675	167,526	142,982	137,463	160,302
Prototype	117,206	107,980	89,546	100,860	94,839	83,701
Ungrouped	32,612	20,516	49,586	29,232	29,678	50,035
Medicinals	15,988	14,173	28,394	12,890	12,946	26,566
Plastics and resin materials	51,003	41,080	380,914	49,262	39,900	400,139
Rubber-processing chemicals	1,605,447	1,317,069	302,958	1,588,180	1,330,509	360,406
Elastomers (synthetic rubbers)	121,532	85,495	47,592	109,868	85,134	50,555
Plasticizers	1,414,944	1,387,198	319,056	973,249	1,028,525	242,419
Surface-active agents	223,810	180,137	59,955	227,618	185,781	56,993
Pesticides and other organic agricultural chemicals	694,089	438,491	73,301	640,222	577,022	120,338
Miscellaneous	297,054	281,652	98,572	357,533	279,103	102,145
ORGANIC CHEMICALS, ACYCLIC	464,823	315,488	160,016	471,171	308,195	157,280
Intermediates and finished products	19,491,452	9,564,533	2,019,046	19,270,793	9,967,840	2,006,992
Medicinals	15,582	13,147	28,154	16,622	13,332	25,696
Plastics and resin materials	1,171,180	1,054,911	474,578	1,239,623	1,160,088	496,087
Rubber-processing chemicals	23,252	17,726	12,463	20,057	16,332	11,806
Elastomers (synthetic rubbers)	543,406	521,595	210,308	461,713	468,002	193,539
Plasticizers	69,088	54,929	23,380	73,056	61,664	25,094
Surface-active agents	327,505	293,613	71,671	385,614	336,252	76,095
Pesticides and other organic agricultural chemicals	58,899	52,494	19,945	61,741	56,896	22,356
Miscellaneous	17,282,540	7,556,118	1,175,547	17,012,367	7,849,274	1,150,409

Source: U. S. Tariff Commission; annual report, *Synthetic Organic Chemicals, United States Production and Sales*.

No. 1029.—CHEMICALS—PRODUCTION, BY KIND: 1947 TO 1955

[Data for chemicals shown are restricted to a selected group comprised for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication. Data for production by Government-owned arsenals, ordnance works, and certain plants operated for Government by private industry are excluded, except that data for chemicals manufactured by Tennessee Valley Authority are included.]

CHEMICAL AND BASIS	UNIT	1947	1950	1954	1955 ¹
Ammonia, synthetic anhydrous	Short tons	1,114,000	1,565,569	2,719,660	3,163,041
Ammonium nitrate, original solution (100% NH ₄ NO ₃)	do	1,086,869	1,213,911	1,857,026	2,051,089
Ammonium sulfate, synthetic (technical) ²	do	195,848	1,137,721	928,447	1,121,106
Calcium carbide (commercial)	do	607,113	671,492	713,422	874,948
Calcium phosphate, dibasic (100% CaHPO ₄)	do	41,323	53,046	119,386	168,102
Carbon, activated ³	do	35,648	37,921	46,200	48,518
Carbon dioxide:					
Liquid and gas and solid (dry ice) ⁴	do	477,800	639,906	720,133	730,623
Chlorine, gas ⁵	do	1,443,219	2,084,181	2,895,100	3,407,935
Chrome green (C. P.)	do	6,991	7,688	6,546	6,586
Chrome yellow and orange (C. P.)	do	23,235	27,098	24,510	27,059
Hydrochloric acid (100% HCl)	do	442,558	618,784	740,604	842,027
Hydrofluoric acid, anhydrous and technical (100% H ₂ F ₂)	do	27,933	35,174	51,910	63,828
Hydrogen	Mil. cu. ft.	21,185	45,163	632,420	635,010
Methanol (natural) (100% CH ₃ OH)	M gallons	2,598	2,082	2,002	2,194
Molybdate chrome orange (C. P.)	Short tons	2,238	3,905	4,801	6,280
Nitric acid (100% HNO ₃)	do	1,189,411	1,335,718	1,996,472	2,305,466
Oxygen	Mil. cu. ft.	14,429	17,848	22,039	29,107
Phosphoric acid, total (50% H ₃ PO ₄)	Short tons	1,012,971	1,640,599	2,957,876	3,440,351
Silver nitrate (100% AgNO ₃)	M ounces	38,336	55,549	62,807	66,266
Soda ash (commercial sodium carbonate):					
Ammonia soda process:					
Total wet and dry (98–100% Na ₂ CO ₃) ⁶	Short tons	4,524,668	3,991,199	4,701,364	4,906,971
Finished light (98–100% Na ₂ CO ₃) ⁶	do	2,206,590	2,049,806	2,556,846	2,701,220
Finished dense (98–100% Na ₂ CO ₃) ⁶	do	1,629,406	1,410,110	1,681,491	1,768,749
Natural (Na ₂ CO ₃ equivalent) ⁶	do	276,428	338,379	511,333	680,286
Sodium bicarbonate (refined) (58% Na ₂ O)	do	124,611	101,365	112,086	112,429
Sodium bichromate and chromate	do	90,285	89,829	99,196	118,524
Sodium hydroxide (caustic soda):					
Liquid (100% NaOH) ¹⁰	do	2,103,150	2,510,720	3,393,879	3,904,438
Solid (100% NaOH)	do	493,357	438,378	519,741	(11)
Sodium phosphate:					
Monobasic (100% Na ₂ H ₂ PO ₄)	do	14,690	15,703	12,7,003	8,501
Dibasic (100% Na ₂ H ₂ PO ₄)	do	78,806	158,756	12,26,510	29,363
Tribasic (100% Na ₃ PO ₄)	do	88,568	66,801	48,302	51,846
Meta (100% Na ₂ PO ₃)	do	30,460	39,412	52,808	57,807
Tetra (100% Na ₄ T ₂ O ₇)	do	56,641	85,657	107,065	101,775
Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous)	do	492,837	486,203	607,027	630,260
Sodium sulfate:					
Anhydrous (refined) (100% Na ₂ SO ₄)	do	134,969	184,254	237,744	288,788
Glauber's salt (100% Na ₂ SO ₄ .10H ₂ O) ⁹	do	202,285	185,626	145,093	150,248
Salt cake (crude) (commercial) ⁹	do	693,517	561,395	603,476	685,215
Sulfuric acid, gross (100% H ₂ SO ₄) ¹³	do	10,780,166	13,029,359	14,000,519	16,758,284
Zinc yellow (zinc chromate) (O. P.)	do	3,476	4,565	5,812	6,388

¹ Preliminary.² Excludes byproduct coke-oven production. Data for 1950 to 1955 include synthetic ammonium sulfate produced in coke plants.³ Includes data for deodorizing, decolorizing, and water purification grades. Data for gas-mask and solvent recovery grades excluded.⁴ Liquid and gas excludes quantities produced and consumed in the same plants manufacturing soda ash and urea.⁵ Total production including quantities liquefied for use, storage, or shipment.⁶ Excludes quantities produced and consumed in manufacture of methanol and ammonia but includes an unspecified amount of hydrogen produced for sale or interplant transfer to plants consuming this gas in production of ammonia.⁷ Includes quantities diverted to manufacture of caustic soda and sodium bicarbonate and quantities processed to finished light and finished dense soda ash.⁸ Excludes quantities converted to finished dense soda ash.⁹ Collected in cooperation with Bureau of Mines.¹⁰ Liquid production figures represent total production for electrolytic and lime soda processes, including quantities later evaporated to solid caustic and reported as such.¹¹ Not shown separately to avoid disclosure of individual company data.¹² Represents quantities produced only for sale or interplant transfer.¹³ Includes sulfuric acid of oleum grades.Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports; 1950-55 compiled from manufacturers' reports and published in *Facts for Industry*, Series M19A.

No. 1030.—INDUSTRIAL EXPLOSIVES SOLD FOR CONSUMPTION IN THE UNITED STATES: 1930 TO 1954

[In thousands of pounds. Excludes exports]

YEAR	Total	Per-mis-sible explosives ¹	High explosives other than per-mis-sible	Black blast-ing pow-der	USE	Total	Per-mis-sible explosives ¹	High explosives other than per-mis-sible	Black blast-ing pow-der
1930	445,090	55,822	291,391	99,873	1953	2,790,811	89,879	668,952	9,515
1934	314,768	39,208	206,625	68,935	Coal mining	3,250,578	88,810	134,483	4,868
1935	308,381	39,176	200,324	68,888	Metal mining	167,419	73	167,294	52
1936	391,605	47,859	262,047	81,698	Quarrying and nonmetallic mineral mining	4,176,985	819	175,188	930
1937	404,744	49,679	288,924	66,241	Railway and other construction work	181,856	94	178,988	2,774
1938	332,130	41,859	238,576	51,695	All other purposes	13,973	83	12,999	801
1939	396,438	49,050	278,250	58,237	1954	2,719,723	75,863	615,822	10,297
1940	423,369	55,436	305,180	59,754	Coal mining	3,205,376	74,989	108,413	4,274
1941	481,927	70,612	351,857	50,458	Metal mining	146,062	78	145,974	10
1942	409,255	84,026	350,699	55,534	Quarrying and nonmetallic mineral mining	4,171,488	610	170,167	670
1943	477,651	92,656	338,573	46,422	Railway and other construction work	181,975	119	177,433	4,423
1944	644,111	102,538	318,613	42,960	All other purposes	14,822	67	13,835	920
1945	457,311	97,407	322,956	36,948					
1946	536,315	100,258	399,233	36,824					
1947	2,651,391	122,349	476,017	36,464					
1948	2,725,227	126,289	550,086	33,240					
1949	2,631,230	91,630	505,601	20,077					
1950	2,710,841	109,420	575,962	20,655					
1951	2,753,821	108,258	611,236	13,985					
1952	2,764,718	95,460	636,741	10,602					
1953	2,790,311	89,879	668,952	9,515					
1954	2,719,723	75,863	615,822	10,297					

¹ Represents type of high explosives approved by Bureau of Mines as suitable for safe use in coal mines provided specifications of use are followed.

² Includes 16,562,000 pounds liquid oxygen explosive in 1947, 15,620,000 in 1948, 13,922,000 in 1949, 13,804,000 in

1950, 20,341,000 in 1951, 21,915,000 in 1952, 22,465,000 in 1953, 17,741,000 in 1954.

³ Includes 22,417,000 pounds liquid oxygen explosive in 1953, and 17,700,000 in 1954.

⁴ Includes 48,000 pounds liquid oxygen explosive in 1953, and 41,000 in 1954.

Source: Department of the Interior, Bureau of Mines; *Consumption of Industrial Explosives*.

No. 1031.—ASPHALT AND TAR ROOFING AND SIDING PRODUCTS—SHIPMENTS: 1948 TO 1955

PRODUCT AND UNIT OF MEASURE	1948	1949	1950	1951	1952	1953	1954	1955 (prel.)
Asphalt roofing, total	1,000 squares	59,939	52,357	65,024	59,117	57,938	56,703	59,132
Smooth-surfaced	do	16,344	13,038	14,377	13,577	12,459	12,084	11,591
Mineral-surfaced	do	13,560	12,510	14,116	13,961	13,704	12,964	12,910
Strip shingles	do	26,216	23,573	32,109	27,401	27,808	27,411	30,149
Individual shingles	do	3,810	3,236	4,422	4,178	3,960	4,244	4,197
Asphalt sidings, total	do	3,280	2,499	2,009	2,078	1,858	1,557	1,428
Roll form	do	2,806	2,090	1,659	1,754	1,540	1,277	1,175
Shingle form	do	414	409	350	324	318	280	252
Insulated brick siding, all types and finishes	1,000 squares	2,560	2,188	2,402	2,411	2,718	2,794	2,297
Asphalt board products	1,000 sq. ft.	31,932	32,184	48,376	56,200	45,933	43,840	32,528
Saturated felts, total	short tons	538,042	541,947	720,951	747,562	707,301	773,349	869,755
Asphalt	do	448,751	462,769	620,579	622,606	598,199	648,274	732,770
Tar	do	89,291	79,178	100,372	124,956	109,102	125,075	136,985
Saturated and coated sheathings, total	short tons	14,619	10,284	12,025	13,571	9,587	9,609	10,447

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports, and *Facts for Industry*, Series M26D.

No. 1032.—PRESSED AND BLOWN GLASSWARE—QUANTITY AND VALUE OF SHIPMENTS, BY CLASS: 1951 TO 1953

[Comprises products manufactured from glass produced in reporting establishment]

CLASS	UNIT	1951		1952		1953	
		Quantity	Value (\$1,000)	Quantity	Value (\$1,000)	Quantity	Value (\$1,000)
Shipments, total value			324,939		324,599		361,865
Tumblers, goblets, and other stemware	1,000 doz.	75,244	54,133	67,655	52,885	68,514	55,279
Cooking ware ¹	1,000 pieces	69,444	12,550	67,294	14,920	68,879	14,807
Ornamental, decorative, novelty glassware, and smokers' accessories, total			12,583		12,785		18,659
Lighting glassware, total			108,102		115,831		146,549
Electric-light bulb and electronic-tube blanks (including radio, television, X-ray, radar, and special tubes and parts)			82,817		92,870		123,872
Bowls, all types			3,387		2,972		2,311
Enclosing globes, all types			3,379		3,005		2,825
Shades, reflectors, and torcheres			5,416		4,654		4,082
Railroad, marine, and traffic lighting glassware			1,359		1,186		1,292
Lamp chimneys	1,000 doz.	1,265	1,334	1,228	1,335	1,113	1,246
Lantern globes (oil and electric)	do	424	967	204	675	315	810
All other lighting glassware			9,443		9,134		9,511
All other pressed and blown glassware, except glass containers ²			137,571		128,178		131,571

¹ Heat-resistant, heat-treated, and annealed.

² Comprises tubing (except fluorescent and neon) and technical, scientific, and industrial glassware.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M77E.

No. 1033.—GLASS CONTAINERS—DIRECT EXPORTS AND DOMESTIC PRODUCTION AND SHIPMENTS, BY KIND: 1952 TO 1955

[In thousand gross]

ITEM	1952		1953		1954		1955	
	Production	Shipments	Production	Shipments	Production	Shipments	Production	Shipments
Total	115,592	114,102	128,892	127,516	126,898	124,649	138,470	137,228
Direct exports		2,675		3,112		2,779		2,804
Domestic production and shipments:								
Narrow-neck, total	73,367	70,376	81,610	78,346	79,132	75,640	86,596	83,523
Food		11,918		12,614		12,745		14,337
Medicinal and health supplies	40,514	13,073	44,820	13,980	46,800	14,629	51,013	15,839
Household and industrial		7,787		9,079		9,276		9,624
Toiletries and cosmetics		6,597		7,839		8,918		9,602
Beverage, returnable	8,659	7,898	9,563	8,980	7,163	6,304	8,889	8,565
Beverage, nonreturnable	519	446	929	873	1,087	963	1,267	1,177
Beer, returnable	2,842	2,258	3,387	2,924	2,661	2,125	2,723	2,444
Beer, nonreturnable	8,178	8,198	8,896	8,636	7,789	7,729	8,256	8,011
Liquor	8,772	8,519	9,775	9,205	9,325	8,709	9,737	9,274
Wine	3,883	3,082	4,240	4,206	4,457	4,242	4,711	4,590
Wide-mouth, total	42,225	41,051	47,282	46,058	47,766	46,230	51,874	50,901
Food ¹		28,888		31,664		33,150		36,864
Medicinal and health supplies	37,031	1,537	41,800	1,910	42,870	1,855	47,159	4,682
Household and industrial		1,614		2,375		1,863		2,087
Toiletries and cosmetics		3,241	3,150	3,364	3,307	2,945	2,778	2,611
Dairy products		1,953	1,887	2,118	2,012	1,951	1,936	2,791
Packers tumblers								1,861

¹ Includes fruit jars and jelly glasses.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M77C.

No. 1034.—REFRACTORIES—SHIPMENTS: 1951 TO 1953

PRODUCT	Unit	1951		1952		1953	
		Quantity	Value f. o. b. plant	Quantity	Value f. o. b. plant	Quantity	Value f. o. b. plant
Clay refractories, total			\$1,000 171,086		\$1,000 161,092		\$1,000 159,663
Fire-clay brick, standard and special shapes, except superduty	M 9" equiv	710,289	78,562	610,254	70,849	542,568	67,051
Superduty fire-clay brick, standard and special shapes	do	92,783	16,158	88,647	15,261	69,184	12,754
Insulating fire-brick, standard and special shapes	do	56,605	11,078	60,127	11,510	48,740	9,925
High-alumina brick, standard and special shapes (50% Al ₂ O ₃ and over, except fused alumina and mullite)	do	23,414	6,825	21,655	6,655	18,230	5,337
Ladle brick	do	226,918	14,652	199,913	13,490	236,230	16,995
Glass-house pots, tank blocks, upper structure, and floaters	Short tons	25,763	3,819	19,404	3,373	16,299	3,262
Hot-top refractories	M 9" equiv	64,944	5,617	48,892	5,042	60,133	6,368
Sleeves, nozzles, runner brick, and tuyeres	do	55,581	8,879	54,231	7,789	56,946	8,565
High-temperature bonding mortars	Short tons	82,745	6,877	72,427	6,272	76,229	6,727
Plastic refractories	do	99,577	5,529	101,803	5,624	109,243	5,868
Cast and castables (hydraulic setting)	do	69,138	5,028	82,387	6,807	87,060	7,309
Ground crude fire clay and high-alumina material	do	444,970	4,877	380,651	4,590	376,386	4,952
Other clay refractories			2,087		3,830		4,550
Nonclay refractories, total			155,756		139,154		164,704
Silica brick and shapes	M 9" equiv	374,237	51,880	327,997	40,797	338,043	54,033
Magnesite and magnesite-chrome brick and shapes	do	39,132	21,800	38,150	21,948	41,288	25,019
Chrome and chrome-magnesite brick and shapes	do	65,949	27,343	48,187	23,658	54,709	28,638
Graphite and other carbon crucibles and retorts	Short tons	13,343	7,425	9,844	5,573	12,130	7,691
Other graphite and carbon refractories	do	1,527	677	1,329	593	1,618	905
High-temperature bonding mortars	do	46,787	5,644	44,990	5,283	50,522	6,536
Plastic refractories	do	133,292	10,522	141,836	11,245	164,872	12,991
Dead-burned magnesia and magnesite	do	372,000	16,620	353,000	16,818	353,000	17,177
Other nonclay standard and special shapes			26,318		19,485		22,068
Other nonclay refractory materials sold in lump or ground form			5,346		4,572		6,823

¹ Excluded from total to avoid duplication.Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M27C.

No. 1035.—STRUCTURAL CLAY PRODUCTS—PRODUCTION AND SHIPMENTS, BY KIND: 1950 TO 1954

PRODUCT AND UNIT OF MEASURE	1950	1951	1952	1953	1954
Unglazed brick, common and face:					
Production	1,000 standard bricks	6,333,260	6,625,303	5,888,738	5,873,850
Shipments: Quantity	do	6,456,332	6,306,561	5,642,239	5,771,211
Value	\$1,000	164,470	170,743	154,881	162,752
Hollow facing tile, glazed and unglazed:					
Production	1,000 brick equivalent	434,003	484,698	413,479	455,690
Shipments: Quantity	do	432,027	467,767	389,376	444,294
Value	\$1,000	22,438	25,984	22,104	26,304
Unglazed structural tile:					
Production	short tons	1,294,364	1,238,683	976,986	990,383
Shipments: Quantity	do	1,316,972	1,186,879	993,910	921,985
Value	\$1,000	14,896	14,098	11,435	11,524
Vitrified clay sewer pipe:					
Production	short tons	1,549,037	1,688,493	1,649,410	1,655,132
Shipments: Quantity	do	1,567,664	1,554,711	1,548,109	1,562,986
Value	\$1,000	53,402	58,238	59,161	61,117
Floor and wall tile and accessories: ¹					
Production	1,000 square feet	124,746	146,573	132,085	137,420
Shipments: Quantity	do	127,302	141,322	123,267	134,375
Value	\$1,000	61,579	71,277	64,146	71,569
Drain tile:					
Production	short tons	627,055	688,787	810,919	817,826
Shipments: Quantity	do	627,545	655,757	815,490	793,785
Value	\$1,000	10,191	11,387	14,073	14,223

¹ Glazed and unglazed floor and wall tile, and accessories, including quarry tile.Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M26B.² Not available.

No. 1036.—PIG IRON AND FERRO-ALLOYS—CAPACITY, PRODUCTION, AND MATERIALS USED: 1900 TO 1955

[In thousands of short tons (2,000 pounds), except number of furnaces]

ITEM	1900	1910	1920	1930	1940	1945	1950	1953	1954	1955
Blast furnaces, total number, Dec. 31.....	406	473	452	300	231	241	250	260	261	261
Number in blast, Dec. 31.....	232	206	216	97	206	201	234	210	206	247
Blast furnace capacity ¹	(2) (2)	(2) (2)	56,249 41,170	57,855 35,338	55,724 46,979	67,814 54,166	71,500 65,440	79,380 75,687	82,001 88,971	77,790
Blast furnace production.....										92,6
Percent of capacity.....	(2) (2)	(2) (2)	73.2 61.1	84.3 80.5			91.4 94.5	95.6 71.6		
Pig iron.....	(2) (2)	(2) (2)	40,593 586	34,743 594	46,072 907	53,223 943	64,587 853	74,901 955	57,966 721	76,858 932
Ferro-alloys.....										
Total production ²	15,444	30,580	41,357	35,562	47,399	51,919	66,400	77,250	59,806	79,264
By kind:										
Basic.....	1,201	10,175	18,746	20,601	33,988	39,867	40,880	59,883	47,023	62,485
Bessemer and low-phosphorus.....	8,936	12,595	13,510	8,193	7,835	8,570	8,426	8,408	5,837	7,609
Foundry (incl. ferro-silicon).....	3,781	5,892	6,673	4,436	2,791	3,067	3,646	3,273	2,910	2,755
Malleable.....	194	944	1,468	1,760	1,832	2,350	3,181	3,784	2,630	3,681
Forge.....	888	632	356	57	4					
Ferromanganese, spiegeleisen, and all other.....	442	342	604	517	949	1,066	1,267	1,902	1,406	2,794
Materials used: ³										
Iron ore, briquettes, etc.....	27,027	57,948	74,424	60,101	79,672	91,276	112,150	126,629	96,007	127,752
Mill cinder, scale, scrap, etc.....	1,792	3,136	5,585	7,052	7,480	9,749	10,731	13,351	11,787	15,200
Coke.....	(2) 8,313	42,046 16,271	31,185 10,964	40,451 12,431	48,065 16,678	50,549 20,863	57,861 27,708	67,861 31,309	50,604 22,896	67,061 29,738
Limestone.....										

¹ Annual capacity as of Jan. 1; capacity as of Jan. 1, 1955, was 85,485,230 short tons.

² Not available. ³ Average annual capacity as of Jan. 1 and July 1.

⁴ Includes ferro-alloys made in electric furnaces.

⁵ Materials consumed in manufacture of pig iron only, beginning 1930. ⁶ Coke and bituminous coal.

Source: American Iron and Steel Institute; annual report.

No. 1037.—PIG IRON AND FERRO-ALLOYS—PRODUCTION, BY STATES: 1945 TO 1955

[In thousands of short tons (2,000 pounds)]

STATE	1945	1948	1949	1950	1951	1952	1953	1954	1955
Grand total.....	54,919	61,912	54,917	66,400	72,449	68,354	77,250	59,806	79,264
Pig iron, total.....	53,223	60,055	53,413	64,587	70,274	61,313	74,901	57,966	76,857
Massachusetts, New York.....	3,295	3,875	3,541	4,302	4,699	4,192	4,958	3,793	5,144
Pennsylvania.....	16,171	17,742	15,087	18,240	20,221	16,897	20,767	14,736	20,844
Maryland, West Virginia.....	3,519	4,240	4,383	5,203	5,339	4,651	5,690	5,459	6,004
Kentucky, Tennessee, Texas.....	3,808	1,223	1,989	1,460	1,598	1,322	1,701	1,376	1,713
Alabama.....	3,582	4,013	3,663	4,347	4,371	4,173	4,603	4,065	4,928
Ohio.....	11,259	12,477	10,640	12,510	13,710	12,270	15,148	11,185	15,370
Indiana.....	5,982	6,493	5,991	7,018	7,756	6,594	8,350	7,490	8,717
Illinois.....	5,045	5,513	4,913	6,024	6,566	5,435	6,582	4,518	6,489
Michigan, Minnesota.....	1,921	2,101	2,002	2,830	2,904	2,688	3,160	2,540	4,002
Colorado, Utah, California.....	1,642	2,379	2,154	2,653	3,112	3,041	3,867	2,795	3,561
Ferro-alloys, total.....	1,696	1,856	1,504	1,813	2,174	2,041	2,349	1,841	2,406
New York, New Jersey.....	449	451	316	392	391	276	327	186	309
Pennsylvania.....	573	616	467	554	658	565	664	454	590
Virginia, West Virginia, South Carolina.....	171	302	266	287	306	250		389	320
Tennessee.....	66	88	47	60	77	67			464
Alabama.....	85	28	37	58	47	118	111	147	114
Ohio.....	204	210	166	198	242	470	479	441	547
Other States.....	148	161	206	264	454	294	379	292	382

Source: American Iron and Steel Institute; annual report.

No. 1038.—PIG IRON AND FERRO-ALLOYS—PRODUCTION, EXPORTS, AND IMPORTS:
1871 TO 1955

[In short tons (2,000 pounds). Prior to 1901 exports and imports are for years ending June 30 following year specified; calendar years thereafter. Imports are imports for consumption beginning with 1933. All production figures are for calendar years. For figures for earlier years, see *Abstract for 1931*.]

YEARLY AVERAGE OR YEAR	Production	Exports of do- mestic merchan- dise	Imports	YEAR	Production	Exports of do- mestic merchan- dise	Imports
1871-1875	2,518,088	8,301	154,102	1940	47,398,529	685,617	45,503
1876-1880	2,870,295	3,816	309,792	1941	56,686,604	610,729	28,844
1881-1885	4,817,228	5,948	364,325	1942	60,903,304	150,151	31,606
1886-1890	7,928,529	13,806	257,566	1943	62,769,947	231,068	28,056
1891-1895	9,108,976	25,741	61,851	1944	62,866,198	185,526	34,190
1896-1900	12,870,969	251,180	38,425	1945	54,910,029	122,819	74,193
1901-1905	20,428,425	50,921	352,527	1946	46,199,826	134,584	55,103
1906-1910	26,907,589	88,052	308,040	1947	60,117,519	92,676	231,473
1911-1915	30,820,405	226,262	148,681	1948	61,911,559	112,885	310,433
1916-1920	41,451,650	463,981	119,718	1949	54,916,785	115,971	174,873
1921-1925	34,132,119	41,444	405,785	1950	66,400,311	379,353	946,262
1926-1930	42,215,094	58,318	289,690	1951	72,448,543	83,365	1,221,175
1931-1935	17,486,488	14,521	177,424	1952	63,353,955	87,443	476,992
1936-1940	36,174,206	476,409	144,024	1953	77,250,168	61,916	782,790
1941-1945	59,629,017	260,059	38,378	1954	59,806,242	63,850	378,908
1946-1950	57,900,160	167,094	345,430	1955	79,263,865	120,006	380,863

Source: Production, American Iron and Steel Institute; annual report. Exports and imports, Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the U. S.*, and records.

No. 1039.—ROLLED AND MISCELLANEOUS IRON AND STEEL PRODUCTS—PRODUCTION, BY KIND: 1930 TO 1955

[In short tons (2,000 pounds). See also *Historical Statistics*, series J 170.]

KIND	1930	1935	1940	1945	1950	1954	1955
Hot-rolled products, total	33,054,568	26,840,298	48,660,369	59,811,661	75,190,581	68,464,640	90,657,553
Plates	4,102,362	1,629,987	4,328,408	7,245,888	7,386,199	6,519,875	8,190,979
Sheets	3,932,944	5,796,624	11,705,956	12,067,487	22,692,918	21,886,572	31,517,276
Black plate	2,120,144	2,307,462	521,924	941	1,52,605		
Strip	2,174,885	2,965,300	2,077,744	2,542,935	3,903,657	2,430,100	3,683,574
Coils for cold reduced black plate and tin plate	(1)	(1)	3,103,627	4,436,924	5,990,547	6,751,352	7,579,400
Hoops	89,425	100,634	97,074	51,801	37,331	13,604	16,333
Cotton ties and baling bands	51,737	27,685	44,918	34,216	49,211	44,330	63,705
Bars—merchant	4,627,810	4,142,944	6,459,263	9,649,412	9,352,560	6,925,504	9,189,472
Bars—concrete	952,169	624,243	1,425,998	834,806	1,832,606	1,924,604	2,393,074
Structural shapes	3,933,970	1,989,709	4,232,346	4,467,164	5,442,104	5,696,171	7,269,653
Steel piling	118,275	145,929	180,125	188,639	242,778	262,414	302,716
Rails	2,068,021	796,921	1,678,986	2,417,520	1,849,580	1,171,103	1,227,365
Splice bars and tie plate bars	670,157	300,471	515,928	856,638	655,875	362,599	472,751
Skelp	3,003,892	1,514,328	2,709,000	2,894,023	4,164,454	3,880,551	5,143,934
Blanks or pierced billets	1,397,935	1,067,776	2,320,966	3,384,480	4,031,053	4,516,465	4,890,824
Wire rods	2,630,432	2,733,689	4,351,848	4,531,157	5,819,677	4,686,854	6,098,293
Rolled forging billets	340,581	380,697	919,826	3,566,097	1,214,500	1,103,308	1,958,823
Blooms, billets, etc. for export	10,623	44,759	1,677,905	178,600	11,241	5,902	242,371
Car wheels (rolled steel)	{	83,714	191,102	291,375	260,365	190,983	315,571
All other	790,206	217,426	116,425	170,867	101,320	86,160	101,430
Miscellaneous products: ²							
Tin plate and terne plate	1,882,619	1,096,960	2,758,581	2,527,483	4,640,296	4,852,234	5,157,355
Galvanized sheets	1,170,681	1,151,743	1,605,300	1,676,181	2,273,756	2,505,876	2,875,058
Galvanized formed products	73,047	67,245	84,854	58,717	117,881	(1)	(1)
Wire (plain)	(1)	2,177,816	3,071,824	3,544,826	4,854,950	3,855,788	4,786,685
Wire nails	478,071	443,596	648,593	583,048	876,395	566,968	653,161
Cut nails	22,996	19,748	24,377	15,279	30,418	20,139	20,007
Pipes and tubes (black)	(1)	2,276,644	4,272,684	6,030,243	9,310,055	8,062,345	10,038,555
Forgings made by rolling mills	532,978	352,390	623,101	1,655,746	457,481	402,571	547,055

¹ Not available.

² These are mostly further elaborations of products listed above.

³ Includes forged axles.

Source: American Iron and Steel Institute; annual report.

No. 1040.—STEEL—CAPACITY AND PRODUCTION OF INGOTS AND STEEL FOR CASTINGS,
BY TYPE OF FURNACE: 1890 TO 1955

[In short tons (2,000 pounds). See also *Historical Statistics*, series J 165-169]

YEAR	Capacity ¹ (Jan. 1)	PRODUCTION						Percent production of capacity	
		Open hearth			Bessemer	Electric	Crucible		
		Total ²	Basic	Acid					
1890		4,790,320	574,820	(*)	(*)	4,131,580	(*)	79,716	
1900		11,410,928	3,805,911	2,850,502	955,409	7,486,942	(*)	112,629	
1910		29,226,309	18,485,426	17,127,408	1,357,642	10,542,305	61,975	136,978	
1915	46,249,146	36,009,161	26,520,594	24,985,772	1,534,822	9,281,679	79,452	127,436	
1920	62,313,501	47,188,886	36,692,522	35,140,810	1,451,712	9,949,057	566,370	80,937	
1925	68,473,222	50,840,747	42,598,627	41,537,823	1,060,804	7,530,837	689,373	21,910	
1930	72,985,400	45,583,421	39,255,073	38,380,514	874,559	5,630,714	686,111	2,523	
1935	78,481,930	38,183,705	34,401,280	34,004,585	396,695	3,175,235	606,471	719	
1940	81,610,496	66,082,656	81,573,083	60,882,840	690,243	3,708,573	1,700,006	1,024	
1945	95,555,280	79,701,648	71,930,602	71,069,875	869,726	4,305,318	3,456,704	24	
1946	91,890,560	66,602,724	60,711,968	60,112,300	599,663	3,327,737	2,563,024	72,2	
1947	91,241,250	84,894,071	76,873,798	76,209,268	664,525	4,232,543	3,787,735	63,0	
1948	94,233,400	88,640,470	79,340,157	78,714,852	625,305	4,243,172	5,057,141	94,1	
1949	96,120,930	77,978,176	70,248,803	69,742,110	506,693	3,946,656	3,782,717	81,1	
1950	99,082,650	96,836,075	86,262,509	85,661,651	600,858	4,534,558	6,039,008	96,9	
1951	104,229,050	105,199,848	83,166,518	92,387,447	779,071	4,890,946	7,142,384	(*)	
1952	105,537,670	93,168,039	82,846,489	82,143,400	708,039	3,523,677	6,707,923	100,9	
1953	117,547,470	111,609,719	100,473,823	99,827,729	646,094	3,855,705	7,280,191	85,8	
1954	124,330,410	88,311,652	80,327,494	80,019,628	307,866	2,548,104	5,436,054	94,9	
1955	125,828,310	117,036,055	105,359,417	104,804,570	554,847	3,319,517	8,357,151	71,0	

¹ Annual capacity as of Jan. 1, 1956, was 128,363,090 tons.

² Includes all other grades not shown separately, as follows: 1890, 4,248 tons; 1900, 5,445 tons. Beginning 1935, figures include only that part of steel for castings which was made in foundries producing steel ingots.

³ Not available.

⁴ Included with electric.

⁵ Average of Jan. 1 and July 1.

Source: American Iron and Steel Institute; annual report.

No. 1041.—BLAST FURNACES AND STEEL WORKS AND ROLLING MILLS—SUMMARY:
1889 TO 1954

[Data for years prior to 1937 include figures for steel castings, thereafter such data are excluded]

YEAR	Number of estab- lish- ments	PRODUCTION WORKERS		Value added by manufac- ture (\$1,000) ¹	YEAR	Number of estab- lish- ments	PRODUCTION WORKERS		Value added by manufac- ture (\$1,000) ¹
		Number (average for the year)	Wages, total (\$1,000)				Number (average for the year)	Wages, total (\$1,000)	
TOTAL									
1889	710	171,181	89,273	151,415	1920 ^a	81	19,537	28,312	87,033
1899	668	222,490	120,820	281,569	1947	86	32,697	93,598	328,050
1909	654	278,505	187,807	399,013	1950	(*)	35,357	115,034	554,269
1919	695	416,748	711,407	1,321,507	1951	(*)	38,052	142,279	626,927
1923	658	424,913	696,761	1,289,910	1952	(*)	38,201	137,714	591,883
1925	595	399,914	690,297	1,231,970	1953	(*)	38,809	169,138	777,354
1927	602	889,270	645,534	1,219,534	1954 (prel.)	(*)	31,000	130,000	632,000
1929	591	419,534	730,974	1,622,837					
1931	526	278,206	857,645	623,199					
1933	406	288,945	270,367	481,529					
1935	408	374,808	458,584	893,681					
1937	352	461,118	755,427	1,503,950					
1939	334	388,441	598,037	1,234,631	1938	253	368,904	569,724	1,147,548
1947	301	470,785	1,431,536	2,603,757	1947	215	438,088	1,337,938	2,275,697
1950	(*)	475,873	1,684,453	3,086,082	1950	(*)	440,516	1,569,419	3,431,813
1951	(*)	510,075	2,066,346	4,817,776	1951	(*)	472,013	1,923,067	4,191,349
1952	(*)	507,619	1,975,110	4,144,236	1952	(*)	469,418	1,837,396	3,552,353
1953	(*)	517,330	2,383,110	5,402,877	1953	(*)	478,521	2,213,972	4,625,523
1954 (prel.)	(*)	440,000	1,936,000	4,666,000	1954 (prel.)	(*)	400,000	1,806,000	4,034,000

¹ Value of products less cost of materials, supplies, fuel, electric energy, and contract work. For 1889-1933, cost of contract work was not deducted.

² Not available.

³ Includes data for 2 establishments engaged in production of sintered ore and flux dust and operated independently of blast furnaces.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports, *Annual Survey of Manufactures*, and 1954 *Census of Manufactures*, Series MC-G-1.

No. 1042.—IRON AND STEEL, FINISHED ROLLED—PRODUCTION, EXPORTS, AND IMPORTS: 1876 TO 1955

[In short tons (2,000 pounds). Imports are imports for consumption beginning with 1933; general imports in earlier years. See also *Historical Statistics*, series J 170, for data on total production]

YEARLY AVERAGE OR YEAR	Total production, finished rolled products	RAILS			PLATES AND SHEETS			Merchant bar produc- tion ²
		Production	Exports	Imports	Production	Exports	Imports ¹	
1876-1880	1,020,426	4,974	67,033					
1881-1885	1,426,631	4,464	131,009					
1886-1890	5,911,600	1,015,511	8,148	55,748	7,677,104		8,975	
1891-1895	6,129,591	1,416,438	15,288	1,173	846,516	1,691	26,761	
1896-1900	9,142,067	2,107,734	260,420	2,687	1,639,544	34,714	5,344	
1901-1905	15,311,416	3,242,555	252,836	48,302	3,017,980	44,246	6,907	3,402,433
1906-1910	20,730,629	3,627,104	339,622	4,439	4,540,594	177,622	4,588	3,897,499
1911-1915	24,920,084	3,091,824	424,247	26,589	6,028,088	466,372	3,220	4,222,754
1916-1920	34,507,928	2,945,047	616,920	23,950	9,235,794	1,016,396	1,765	7,050,073
1921-1925	30,458,732	2,794,109	274,737	35,530	8,875,380	488,464	4,265	5,875,343
1926-1930	39,562,938	2,971,808	178,599	22,228	11,707,300	536,823	27,580	7,080,924
1931-1935	20,002,332	828,436	46,310	5,780	6,891,694	181,332	14,569	3,856,504
1936-1940	38,066,554	1,334,946	139,217	6,511	13,664,259	791,090	8,963	6,217,207
1941-1945	62,735,684	2,211,836	276,472	14,372	21,370,112	1,307,781	1,853	11,284,428
1946-1950	64,407,247	2,073,009	314,026	6,724	23,735,837	1,029,037	60,496	10,210,438
1941	62,324,187	1,927,851	189,542	7,673	20,293,071	1,064,180	125	10,978,698
1942	62,445,914	2,096,159	266,159	14,435	21,237,072	1,364,824	254	11,939,982
1943	63,292,673	2,126,996	311,861	7,384	22,543,040	1,531,567	468	11,858,047
1944	65,808,979	2,490,656	316,915	9,893	23,463,059	1,246,556	5,665	11,161,194
1945	59,811,668	2,417,520	327,883	32,474	19,314,316	1,341,777	2,751	10,484,218
1946	50,936,772	1,965,642	385,584	7,997	16,324,199	1,159,040	2,255	8,880,428
1947	66,202,144	2,441,179	500,582	10,267	23,325,500	1,272,770	1,843	10,751,625
1948	69,191,952	2,207,622	308,375	6,784	25,604,480	868,286	32,280	11,180,874
1949	60,882,357	1,901,020	238,196	1,106	23,470,886	1,106,914	43,360	9,054,099
1950	75,190,581	1,849,580	137,391	7,465	30,231,721	738,176	222,740	11,185,166
1951	81,911,320	1,854,247	105,599	11,144	31,869,683	780,775	693,567	12,761,309
1952	71,348,528	1,472,139	168,101	4,328	27,251,552	849,003	184,620	11,747,083
1953	85,943,724	1,981,991	190,867	3,045	35,699,732	767,566	459,902	13,022,526
1954	68,464,640	1,171,103	96,914	3,777	28,406,447	823,830	3,241	8,856,288
1955	90,057,563	1,227,365	(4)	39,708,255	(4)	11,582,546		

YEARLY AVERAGE OR YEAR	Skelp production	WIRE RODS			STRUCTURAL SHAPES			All other finished rolled production ²
		Production	Exports	Imports	Production	Exports	Imports	
1891-1895		700,238			38,980	3,481,457		2,772,234
1896-1900		1,018,997	3,18,124		20,257	772,149	3,54,742	3,803,643
1901-1905	1,608,314	1,781,114	18,306	20,597	1,348,246	62,329	3,14,432	1,415,004
1906-1910	1,808,915	2,303,540	15,011	17,248	2,169,385	135,616	12,440	2,323,590
1911-1915	2,511,342	2,933,601	84,252	13,198	5,2,739,958	297,798	7,114	3,392,518
1916-1920	3,123,005	3,336,179	162,072	4,188	3,340,000	376,744	3,143	5,477,829
1921-1925	3,245,985	2,836,325	31,408	4,803	3,198,711	224,177	31,317	4,031,879
1926-1930	3,752,372	3,148,573	35,039	16,096	4,489,127	311,101	160,219	6,322,836
1931-1935	1,248,507	2,065,158	25,456	12,605	1,631,689	66,574	45,874	3,980,346
1936-1940	2,282,301	3,424,361	97,413	12,261	3,317,886	237,283	49,232	7,255,593
1941-1945	3,100,884	4,754,339	148,351	482	5,052,009	287,706	6,278	14,962,077
1946-1950	3,481,308	5,106,991	46,263	27,354	5,113,049	492,714	72,189	14,686,614
1941	3,637,574	5,268,423	187,326	119	5,724,236	365,238	356	14,494,334
1942	2,900,741	4,632,017	145,251	57	5,816,321	229,757	166	13,823,622
1943	3,022,398	4,693,798	176,039	31	4,575,844	239,956	169	14,472,550
1944	3,049,682	4,646,298	123,804	2	4,676,481	235,592	28,017	16,316,609
1945	2,894,023	4,531,157	109,334	2,199	4,467,164	367,956	2,682	15,703,271
1946	2,534,848	4,520,280	6,052	4,287,664	449,219		874	12,323,711
1947	3,450,460	5,376,003	71,237	6,016	5,607,671	752,790	1,731	15,219,706
1948	3,617,703	5,430,603	38,143	6,613	5,455,523	499,166	65,830	15,635,147
1949	3,639,074	4,388,394	53,315	5,734	4,672,284	483,211	114,505	13,756,630
1950	4,164,464	5,819,677	6,204	112,553	5,442,104	279,182	178,007	16,497,878
1951	4,388,723	6,281,140	4,148	122,018	6,348,025	327,037	459,969	18,463,193
1952	3,855,076	5,212,600	29,681	44,404	5,354,382	286,956	319,454	16,455,386
1953	4,696,092	5,192,719	9,489	65,419	6,537,566	310,356	458,238	18,813,169
1954	3,880,551	4,686,864	9,025	39,849	5,696,171	341,085	276,826	15,773,226
1955	5,143,034	6,008,293	(4)	(4)	7,269,553	(4)	(4)	19,627,607

¹ Includes skelp beginning 1922.

² Merchant bars include concrete reinforcement bars and, beginning 1934, certain miscellaneous bars previously included in "All other finished rolled production."

³ Short-term average. ⁴ Not available. ⁵ Small structural forms not included in 1911.

Source: Production, American Iron and Steel Institute, annual report. Exports and imports, Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and records.

No. 1043.—STEEL PRODUCTS—SHIPMENTS, BY CLASS: 1941 TO 1955

[In thousands of short tons (2,000 pounds). Comprises carbon, alloy, and stainless steel. Percents based on domestic shipments only]

CLASS	1941		1945		1950		1954		1955	
	Quantity	Percent								
Total shipments.....	60,943		57,242		72,232		63,153		84,717	
Domestic shipments, total.....	55,103	100.0	53,449	100.0	69,665	100.0	60,619	100.0	81,134	100.0
Steel for converting and processing ¹	2,375	4.3	2,706	5.1	3,900	5.6	2,453	4.0	3,753	4.6
Forgings (except automotive).....	852	1.5	1,418	2.6	1,082	1.5	831	1.4	1,266	1.6
Boats, nuts, rivets, and screws.....	1,155	2.1	1,063	2.0	1,410	2.0	965	1.6	1,475	1.8
Warehouses and distributors (except oil and gas).....	8,122	14.7	8,904	16.7	11,676	16.8	9,948	16.4	13,562	16.7
Construction (exc. oil and gas).....	8,010	14.6	4,664	8.7	5,563	8.0	6,570	10.8	7,234	8.9
Contractors' products.....					3,075	4.4	2,970	4.9	3,982	4.9
Automotive.....	8,827	16.0	4,071	7.6	14,472	20.8	11,703	19.5	18,722	23.1
Passenger cars, trucks, tractors, parts, etc.....	8,542	15.5	3,774	7.0	13,923	20.0	11,462	18.9	18,203	22.4
Forgings.....	285	0.5	297	0.6	549	0.8	331	0.6	519	0.7
Rail transportation.....	5,563	10.1	5,121	9.6	4,299	6.2	2,457	4.1	3,521	4.3
Railroad rails, trackwork, and equipment.....	(2)	(2)	(2)	(2)	2,222	3.2	1,379	2.3	1,580	1.9
Freight cars, passenger cars, and locomotives.....	(2)	(2)	(2)	(2)	2,029	2.9	1,055	1.8	1,901	2.3
Street railways and rapid transit systems.....	(2)	(2)	(2)	(2)	48	0.1	23	(3)	40	0.1
Shipbuilding and marine equipment.....	2,705	4.9	2,719	5.1	327	0.5	501	0.8	601	0.8
Aircraft.....	160	0.3	301	0.6	52	0.1	89	0.1	97	0.1
Oil and gas.....	2,742	5.0	2,063	3.8	5,343	7.7	4,702	7.8	5,437	6.7
Warehouses and distributors.....	1,017	1.9	667	1.2	1,684	2.4	2,051	3.4	2,107	2.7
Construction.....	1,725	3.1	1,306	2.6	3,039	4.4	2,065	3.4	2,447	3.0
Drilling.....					620	0.9	586	1.0	793	1.0
Mining, quarrying, and lumbering.....	237	0.4	210	0.4	289	0.4	202	0.3	269	0.3
Agricultural.....	1,136	2.1	1,120	2.1	1,538	2.2	1,189	1.9	1,337	1.7
Agricultural machinery.....	(2)	(2)	(2)	(2)	1,298	1.9	867	1.4	1,112	1.4
Other.....	(2)	(2)	(2)	(2)	240	0.3	322	0.5	225	0.3
Machinery, industrial equipment, and tools.....	1,517	2.8	1,607	3.0	3,474	5.0	3,517	5.8	4,609	5.8
Electrical machinery and equipment.....	1,289	2.3	819	1.5	1,837	2.6	1,739	2.9	2,292	2.8
Appliances, utensils, and cutlery.....	1,730	3.2	675	1.3	2,088	3.0	1,441	2.4	2,199	2.7
Other domestic and commercial equipment.....	1,940	3.5	1,433	2.7	1,804	2.6	1,742	2.9	2,199	2.7
Containers.....	4,255	7.7	4,333	8.1	5,911	8.4	5,871	9.7	6,723	8.3
Cans and closures.....	(2)	(2)	(2)	(2)	4,339	6.2	4,490	7.4	4,047	6.1
Barrels, drums, and shipping pails.....	(2)	(2)	(2)	(2)	925	1.3	781	1.3	983	1.2
Other.....	(2)	(2)	(2)	(2)	647	0.9	600	1.0	703	1.0
Ordnance and other direct military.....	1,413	2.6	5,509	10.3	195	0.3	964	1.6	857	1.1
Shipments of nonreporting companies.....	1,066	1.9	4,693	8.8	1,330	1.9	675	1.1	919	1.1
Exports.....	5,840		3,793		2,567		2,534		3,583	

¹ Net total after deducting shipments to reporting companies for conversion or resale.

² Not available.

³ Less than 0.05 percent.

Source: American Iron and Steel Institute; annual report.

No. 1044.—IRON AND STEEL—AGGREGATE EXPORTS: 1890 TO 1955.

Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars. Includes ferromanganese.
Beginning 1925, excludes steam and hot water heating boilers and radiators. Value figures through 1920 exclude, and those beginning 1925 include, data for small items for which quantity figures are not available. See table 1045 for revised list of articles included, effective 1952.

YEAR	Quantity	Value	YEAR	Quantity	Value	YEAR	Quantity	Value
1890	53		1935	3,431	88,414	1948	4,885	659,779
1895	100		1940	11,876	524,426	1949	5,146	714,780
1900	1,292	42,518	1941	8,029	506,901	1950	3,248	465,141
1905	1,131	33,813	1942	7,387	508,030	1951	3,783	612,236
1910	1,722	63,436	1943	7,245	621,847	1952	1,4854	771,442
1915	3,957	140,993	1944	6,148	560,178	1953	1,3,711	640,159
1920	5,627	468,376	1945	5,203	461,147	1954	1,4,826	653,468
1925	1,974	144,202	1946	5,149	449,843	1955	1,9,045	976,430
1930	2,220	139,039	1947	6,994	830,655			

¹ See footnote 1, table 1045.Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and records.

No. 1045.—IRON AND STEEL—EXPORTS, BY KIND: 1953 TO 1955

[Includes shipments under foreign aid programs such as UNRRA, Interim Aid, ECA, and MDAP (ICA), and Civilian Supply shipments]

ARTICLE	QUANTITY (short tons)			VALUE (\$1,000)		
	1953	1954	1955	1953	1954	1955
	1,3,710,941	1,4,825,751	1,9,644,934	640,159	653,468	976,430
Pig iron	18,837	10,247	34,989	1,074	762	1,918
Iron and steel scrap	303,723	1,682,612	5,082,516	10,005	50,514	174,368
Iron bars, skelp, and pipe	35,115	30,670	29,843	4,978	4,550	4,578
Steel mill products, semifinished	195,736	95,257	733,976	17,814	8,773	62,501
Steel ingots, blooms, billets, slabs, sheet bars, and tin-plate bars	67,874	20,427	604,604	6,013	2,614	49,654
Steel skelp	90,627	56,767	88,249	8,441	5,207	8,446
Wire rods and other semifinished steel mill products	31,235	9,063	41,033	3,360	952	4,401
Steel mill products, rolled and finished	1,2,740,471	1,2,660,859	3,313,820	433,105	434,485	546,068
Steel bars, including bar size shapes	176,181	89,751	205,244	24,342	13,514	29,443
Steel plates, hot- or cold-rolled, not fabricated, and armor plates, rolled	201,074	154,149	215,301	24,861	19,549	28,803
Steel sheets, black, ungalvanized	370,788	430,890	840,482	55,376	46,161	123,706
Steel sheets, galvanized	94,211	127,900	144,620	16,441	21,872	24,997
Steel sheets, coated, exc., galvanized and steel sheets for enameling	27,173	37,657	50,102	4,231	6,169	8,229
Electrical steel sheets and strip	53,448	62,173	59,477	15,167	20,002	20,268
Steel strip, coated or uncoated, exc. elec.	94,062	56,396	92,523	18,912	15,414	26,086
Tin mill black plate	57,485	85,545	117,024	5,090	7,044	12,360
Tin mill prod. (tin plate and terneplate)	527,610	725,535	853,841	95,874	123,994	144,541
Structural shapes, not fabr., and piling	245,188	288,628	289,982	25,726	30,748	33,630
Rails, trackway, and track accessories	251,053	120,955	74,896	23,137	14,651	8,520
Pipe, tubes, and tubing	506,155	450,033	329,437	113,951	87,757	74,891
Steel wire, not elsewhere classified	44,837	37,247	40,801	9,906	8,875	10,446
Other steel mill prod., rolled and finished	(2)	(2)	(2)	1,82	1,135	4,97
Castings and forgings	87,786	55,237	94,308	10,980	14,100	21,207
Railway car and locomotive wheels, tires, and axles, rolled and forged	13,006	10,884	15,137	2,821	2,541	4,056
Wire springs, steel	4,891	4,242	4,606	2,545	2,088	2,445
Bolts, screws, nuts, rivets, and washers	17,326	13,752	19,874	13,600	11,255	15,447
Nails, staples, and spikes	5,119	4,223	4,302	2,162	2,185	2,610
Builders', furniture, car, marine, and other hardware and parts	(2)	(2)	(2)	(2)	(2)	(2)
Pipe fittings	23,817	23,883	27,206	18,019	17,185	19,643
Fabricated steel products	169,141	145,648	165,310	46,374	40,723	43,431
Sash, sections, and frames, door and window, and other construction materials	8,024	8,406	9,435	4,517	5,150	5,706
Chains and parts	14,519	9,505	8,266	10,195	7,694	7,950
Welding rods and wires	17,548	13,054	16,123	5,935	5,260	6,736
Wire cloth	(2)	(2)	(2)	1,061	952	1,163
Wire-reinforcing fabric and wire rope, cord, cable, and strand	19,198	20,474	22,659	7,310	8,003	8,874
Other iron and steel manufactures	(2)	(2)	(2)	17,736	19,460	24,305
Ferroalloys	27,684	30,798	62,324	3,383	3,390	6,235

¹ Excludes figures for wire cloth and for articles noted below as not reported. ² Not reported.³ Sampling error (see Technical Note, p. 789) probably not greater than 15 to 20 percent.⁴ Sampling error (see Technical Note, p. 789) probably not greater than 10 to 15 percent. ⁵ 7,394,124 sq. ft. in 1953; 5,629,219 sq. ft. in 1954; 6,950,825 sq. ft. in 1955.

Source: Department of Commerce, Bureau of the Census.

No. 1046.—IRON AND STEEL—WHOLESALE PRICE INDEXES: 1926 TO 1955

[1947-1949=100]

YEAR	Iron and steel, total	YEAR	Iron and steel, total	YEAR	Iron and steel, total	STEEL MILL PRODUCTS		
						Total	Finished	Semi-finished
1926	67.1	1933	52.7	1939	64.2	67.5	68.0	62.9
1927	63.2	1934	58.1	1940	63.8	67.6	68.1	63.2
1928	62.7			1941	64.6	67.9	68.4	63.2
1929	63.6	1935	58.1	1942	65.2	68.0	68.5	63.2
1930	59.7	1936	58.7	1943	65.2	68.1	68.6	63.2
1931	55.9	1937	65.8	1944	65.1	68.1	68.6	63.2
1932	53.3	1938	66.1	1945	66.5	69.7	70.2	65.3
				1946	74.0	76.8	76.4	70.7

YEAR	Iron and steel, total	STEEL MILL PRODUCTS			Pig iron and ferro-alloys	Iron ore	Scrap, iron and steel	Foundry and forge shop products
		Total	Finished	Semi-finished				
1947	89.7	88.8	89.1	85.2	85.3	88.6	96.9	89.4
1948	104.3	101.4	101.3	102.5	101.8	96.5	122.3	103.2
1949	106.0	109.9	109.7	112.8	112.9	114.9	80.8	107.4
1950	113.1	115.7	115.2	121.8	115.6	123.0	104.6	109.1
1951	123.2	124.8	124.5	128.3	126.6	132.3	118.8	119.4
1952	124.7	127.5	127.2	131.2	130.9	137.6	114.2	119.9
1953	131.3	137.6	136.9	145.6	138.4	153.8	103.1	126.4
1954	132.9	143.8	142.8	156.2	137.6	157.7	79.8	129.3
1955	140.6	150.7	149.5	164.4	138.6	160.4	104.6	132.4

Source: Department of Labor, Bureau of Labor Statistics; annual report, *Wholesale Prices*.

No. 1047.—FERROUS CASTINGS—SHIPMENTS AND UNFILLED ORDERS: 1947 TO 1955

[In thousands of short tons. 1947-49 data for steel castings and gray iron castings, and 1951-55 data for gray iron castings are estimates based on a sample of foundries. All other data represent complete coverage]

ITEM	1947	1948	1949	1950	1951	1952	1953	1954	1955 (prel.)
GRAY IRON CASTINGS									
Shipments, total ¹	12,753	13,207	11,050	13,725	14,989	12,860	13,708	11,532	14,838
Pressure pipe and fittings	1,034	1,155	1,037	1,215	1,473	1,313	1,286	1,375	1,682
Soil pipe and fittings	584	654	582	795	688	651	677	744	870
All other gray iron castings	11,135	11,398	9,431	11,715	12,828	10,896	11,745	9,413	12,286
Unfilled orders, Dec. 31, total ²	2,826	2,346	931	2,142	1,847	1,316	940	745	1,075
Pressure pipe and fittings	1,017	961	296	617	537	311	231	183	277
Soil pipe and fittings	303	253	65	208	27	31	23	26	27
All other gray iron castings	1,506	1,132	570	1,317	1,288	974	686	636	771
MALLEABLE IRON CASTINGS									
Shipments, total	899	941	723	942	1,085	926	971	822	1,105
For sale	514	527	373	527	656	573	579	492	663
For own use	385	414	330	405	429	353	392	360	452
Unfilled orders, Dec. 31, total ²	206	143	64	222	215	173	98	85	123
STEEL CASTINGS									
Shipments, total ¹	1,632	1,778	1,260	1,481	2,050	1,925	1,834	1,184	1,531
Carbon	1,250	1,408	963	1,120	1,541	1,372	1,277	803	1,088
Alloy	373	370	297	351	509	553	557	381	443
Unfilled orders, Dec. 31, total ²	494	360	124	570	846	719	278	179	475
Carbon	417	298	86	476	620	436	175	107	364
Alloy	77	62	38	94	226	283	103	72	111

¹ Includes shipments for "own use."² Unfilled orders for sale only. Excludes unfilled orders of captive plants.Source: Department of Commerce, Bureau of the Census; monthly data published currently in *Facts for Industry*, Series M21C and M21-1.

No. 1048.—NONFERROUS CASTINGS—SHIPMENTS AND UNFILLED ORDERS: 1949 TO 1955

[In thousands of pounds. Shipments include "for own use." Unfilled orders are for the end of the year and comprise "for sale" only. Data for 1950 based on complete coverage; for other years based on sample and subject to sampling variation]

TYPE OF CASTING	1949	1950	1951	1952	1953	1954	1955 (prel.)
Shipments, all types, total	1,520,957	2,215,588	2,248,331	1,993,040	2,233,737	2,025,577	2,674,896
Unfilled orders, all types, total	109,684	303,305	325,943	326,207	229,356	208,323	273,085
Copper and copper-base alloy:							
Shipments	743,821	1,056,973	1,197,443	1,009,910	903,750	835,930	1,011,748
Unfilled orders	22,833	73,940	92,919	76,871	47,922	32,054	57,146
Aluminum and aluminum-base alloy:							
Shipments	351,778	543,082	515,131	518,979	661,035	624,973	832,957
Unfilled orders	39,400	113,300	125,566	146,499	107,754	99,556	123,363
Zinc and zinc-base alloy:							
Shipments	400,562	579,332	478,996	408,353	523,892	520,501	781,254
Unfilled orders	44,149	106,885	89,338	85,767	64,047	60,603	86,120
Magnesium and magnesium-base alloy:							
Shipments	11,053	15,224	30,825	34,857	34,601	25,777	27,892
Unfilled orders	2,501	7,684	16,056	16,020	9,324	6,678	5,981
Lead and lead-base alloy die: ¹							
Shipments	13,743	20,977	25,956	20,941	20,450	18,396	21,045
Unfilled orders	801	1,526	2,064	1,050	(2)	432	475

¹ Excludes producers of lead die castings for battery plates and parts who reported shipments of 146 million pounds in 1950.

² Withheld because estimates did not meet publication standards.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M24E.

No. 1049.—ALUMINUM AND MAGNESIUM—SHIPMENTS OF MILL PRODUCTS: 1948 TO 1955

[In thousands of pounds. Producers' net shipments consist of total shipments less shipments to other metal mills for further fabrication into other forms of mill products]

ITEM	1948	1949	1950	1951	1952	1953	1954	1955
Aluminum mill products, total	1,640,186	1,158,146	1,713,449	1,756,244	1,924,750	2,286,865	2,086,562	2,791,791
Plate, sheet, and strip	1,268,297	790,025	1,163,135	1,073,367	1,085,099	1,368,165	1,165,076	1,542,723
Rolled structural shapes, rod, bar and wire ¹	182,091	203,650	269,780	345,163	443,546	422,046	361,281	367,951
Extruded shapes, tube blooms and tubing	171,044	149,995	258,075	312,944	347,542	451,922	513,300	775,092
Powder, flake and paste	16,954	14,476	22,459	24,770	47,963	44,732	46,905	35,681
Forgeings ¹								70,344
Magnesium mill products, total	5,865	8,264	12,810	19,090	18,249	16,885	13,743	21,186

¹ Beginning 1955, forgings reported separately; forging stock included with rolled rod and bar for prior years.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M24-1.

SELECTED METAL PRODUCTS

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No. 1050.—SELECTED METAL PRODUCTS—FACTORY SHIPMENTS: 1953 TO 1955

PRODUCT AND UNIT OF MEASURE	1953		1954		1955 (prel.)	
	Quantity	Value (\$1,000)	Quantity	Value (\$1,000)	Quantity	Value (\$1,000)
Containers and closures:						
Steel shipping barrels and drums... number	33,895,261		32,551,865		36,934,984	
Steel packages, kegs, and pails... do	70,026,848		69,827,419		77,707,730	
Metal cans... short tons of steel consumed...	4,082,234		4,143,329		4,483,999	
For sale... do	3,571,489		3,657,604		3,909,855	
For own use... do	510,765		485,725		574,144	
Crowns... gross	315,956,453		313,741,265		326,733,012	
Closures (except crowns):						
Commercial, except milk bottle closures	1,000	14,463,623		15,249,275		16,085,905
Milk bottle closures ¹ ... do	13,450,121		12,660,259		13,085,737	
Home canning... gross	14,100,019		14,031,151		14,227,332	
Heating and cooking equipment:						
Domestic cooking stoves and ranges... number	3,528,957	360,714				
Electric... do	1,142,074	154,955				
Gas, including bungalow... do	2,150,685	190,553				
Liquid fuel... do	117,606	4,281				
Coal and wood... do	83,062	4,730				
Combination... do	34,630	6,250				
Domestic heating stoves... do	3,278,473	84,649				
Gas... do	1,674,161	35,235				
Liquid fuel... do	927,019	38,539				
Coal and wood... do	676,393	9,375				
Water heaters... do	3,084,108	170,891				
Electric... do	601,085	40,101				
Non-electric... do	2,483,023	130,799				
Direct-fired... do	2,311,061	119,953	(2)	(2)	(2)	(2)
Indirect... do	171,962	10,837				
Range boilers... do	273,170	4,980				
Cast iron boilers... 1,000 pounds	207,514	50,968				
Cast iron radiators and convectors						
1,000 sq. ft. heating surface	31,667	21,650				
Oil burners... number	851,797					
Residential... do	810,776					
Non-residential... do	41,021					
Mechanical stokers... do	16,658					
Warm air furnaces... do	990,603	197,275				
Forced air... do	862,997	179,174				
Gravity air... do	133,006	18,101				
Construction machinery:						
Power cranes and shovels... do	9,690	244,698				
Dozers... do	21,083	39,498	18,307	35,047	19,629	38,887
Tracklaying tractors... do	50,597	328,696	40,374	267,918	48,684	357,113
Plumbing fixtures:						
Bathtubs, cast iron and steel... do	1,891,080		2,072,333		2,326,521	
Lavatories... do	2,889,516		3,182,913		3,924,453	
Vitreous china... do	1,335,368		1,592,223		2,080,387	
Cast iron and steel... do	1,551,158		1,590,600		1,844,066	
Kitchen sinks... do	2,123,571		2,182,369		2,427,262	
Vitreous china... do	34,616		4,375		3,205	
Cast iron... do	1,022,101		1,008,873		1,060,096	
Steel... do	1,096,854		1,169,121		1,363,071	
Transportation equipment:						
Truck trailers... do	96,699	294,849	54,537	245,227	76,468	371,413
Complete trailers... do	93,393	286,286	52,243	238,786	73,708	363,458
Trailer chassis only... do	3,306	5,563	2,294	6,441	2,760	7,955
Complete aircraft (civilian)... do	4,134	244,418	3,389	295,738	4,820	271,250
Aircraft engines (civilian)... do	6,047	70,854	5,519	60,647	7,639	59,147
Domestic water systems... do	702,051	69,259	(2)	(2)	(2)	(2)

¹ Disc caps (plug caps) and sanitary closure caps (hoods) are reported as one closure when sold to be used together. Beginning 1955, includes milk bottle closures stamped from purchased aluminum foil by milk bottling plants.

² Not available.

³ Includes a small quantity of other metals and glazed earthenware.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry* series. Data for power cranes and shovels from Power Crane and Shovel Association. Data on electric stoves and electric water heaters from National Electric Manufacturers' Association.

No. 1051.—MACHINE TOOLS—SHIPMENTS, BY MAJOR TYPES: 1950 to 1953

[Includes light type machine tools, particularly in drilling machines, lathes, grinding and polishing machines, and milling machines. Excludes machine tools specifically designed for home workshops, model makers, garages, and service shops]

MAJOR TYPE	1950		1952		1953	
	Number	Value (\$1,000)	Number	Value (\$1,000)	Number	Value (\$1,000)
Total	315,743		1,076,880		1,169,359	
Boring machines	1,363	29,402	4,374	152,341	4,650	163,648
Broaching machines	374	4,883	1,105	22,678	799	21,874
Drilling machines	9,917	33,129		108,948		114,258
Gear cutting and finishing machines	1,402	19,810	2,725	47,462	2,546	44,891
Grinding and polishing machines (except gear tooth grinding, honing, lapping, and buffing)	79,274	60,859	89,146	210,124	93,804	219,287
Lathes	30,251	89,716	44,525	281,587	43,077	312,165
Milling machines	6,975	36,452	16,252	150,331	17,525	196,124
Planers	84	3,035	158	8,641	164	10,445
Shapers (except gear shapers)	794	3,397	1,493	9,755	1,495	10,932
All other machine tools		35,051		76,013		75,735

Source: Department of Commerce, Bureau of the Census; published in *Facts for Industry*, Series M34A.

No. 1052.—MACHINERY (EXCEPT ELECTRICAL)—VALUE OF SHIPMENTS OF SELECTED PRODUCTS: 1947 TO 1953

[In thousands of dollars. Figures for 1950 to 1953 are based on sample and subject to sampling variation]

CLASS OF PRODUCTS	1947	1950	1952	1953	Standard error, 1952 1 (percent)
Ball and roller bearings and components	352,501	450,495	606,079	644,868	6
Commercial laundry, dry-cleaning, and pressing machines ²	93,078	77,441	89,937	91,286	10
Computing machines and cash registers ²	301,809	349,670	450,374	510,226	1
Construction and mining machinery	932,430	973,503	1,591,963	1,419,967	7
Conveyors	234,074	240,606	407,011	448,072	8
Cutting tools, jigs, fixtures, etc.	675,251	835,823	1,715,129	1,760,502	7
Domestic laundry equipment	433,955	532,084	511,071	544,321	2
Elevators and moving stairways ²	96,421	102,195	116,545	109,435	15
Fabricated pipe and fittings made from purchased pipe	109,991	(3)	183,190	193,572	15
Farm machinery (except tractors)	844,251	1,051,877	1,187,918	1,157,350	7
Food-products machinery	334,733	323,609	353,582	365,702	6
Heat exchangers and steam condensers	52,627	76,621	133,477	156,188	4
Household mechanical refrigerators, including electric and gas	514,682	925,131	637,433	705,400	3
Industrial fans and blowers, including parts	129,913	129,785	197,573	213,071	5
Industrial furnaces and ovens	84,563	71,906	149,040	138,833	4
Industrial trucks, tractors, trailers, and stackers ²	156,754	166,250	322,166	320,555	3
Internal combustion engines, except automotive and aircraft ⁴	617,257	(3)	(3)	867,181	1
Machine tools	415,880	363,477	1,184,702	1,241,238	2
Mechanical power-transmission equipment	426,282	463,833	808,074	820,751	5
Mechanical stokers ²	36,033	19,153	21,875	21,043	6
Office and stone machines	178,890	208,399	217,074	242,719	1
Oil and gas field machinery and tools, including drilling equipment	262,939	333,048	402,208	404,725	5
Paper-industries machinery ²	134,713	114,994	162,922	179,051	5
Printing-trades machinery and equipment ²	191,282	200,682	177,121	188,633	5
Pumps and compressors	519,705	504,195	777,864	842,111	4
Scales and balances ²	51,489	53,274	64,137	61,058	3
Sewing machines ⁷	97,182	170,636	136,458	128,952	2
Steam engines and turbines	119,027	223,178	353,155	308,968	4
Textile machinery ²	379,988	428,780	367,951	339,017	6
Tractors ⁸	744,273	1,098,049	1,203,481	1,271,834	(9)
Typewriters ¹	140,163	130,410	151,793	151,798	3
Vacuum cleaners	150,647	167,260	148,472	156,922	3
Valves and fittings (except plumbers)	548,715	711,778	958,176	977,835	3
Woodworking machinery	151,379	137,347	153,242	158,104	4

¹ See Technical Note, p. 789, for explanation of standard error. Standard errors for 1953 estimates are not available, but will generally be somewhat larger than the corresponding 1952 standard errors.

² Includes parts and attachments.

³ Withheld because the estimate did not meet publication standards.

⁴ Represents shipments to other companies only. ⁵ Not available.

⁶ Includes interplant transfers not segregated by type of engine.

⁷ Includes parts and attachments (except cases and cabinets, and sewing machine needles).

⁸ Includes parts and attachments for replacement but excludes parts and attachments sold to other tractor plants. ⁹ Represents complete coverage.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures*.

No. 1053.—ELECTRICAL MACHINERY—VALUE OF SHIPMENTS OF SELECTED PRODUCTS: 1947 TO 1953

[In thousands of dollars. Figures for 1950 to 1953 are based on sample and subject to sampling variation]

CLASS OF PRODUCTS	1947	1950	1952	1953	Standard error, 1952 ¹ (percent)
Carbon and graphite products	68,604	99,750	150,498	152,604	3
Electric lamps (bulbs)	191,706	243,157	238,105	289,348	(2)
Electrical appliances:					
Electric fans (except industrial type)	48,656	60,402	60,316	94,635	6
Household water heaters	60,478	63,522	(3)	(3)	2
Small household electric appliances and soldering irons (except fans)	249,169	306,004	304,843	356,056	10
Household ranges	132,235	218,478	140,507	170,387	6
Electrical equipment for internal combustion engines	337,015	486,964	607,751	649,078	1
Electrical hearing aids	16,868	23,073	21,103	22,326	10
Electrical measuring instruments	156,340	149,800	273,087	303,302	6
Electrical welding apparatus	107,616	109,825	209,094	194,006	6
Electron tubes:					
Transmitting and industrial type tubes, except X-ray tubes	25,321	(4)	182,296	194,692	15
Radio receiving-type tubes, except cathode ray	86,795	197,732	272,718	348,533	9
Cathode ray tubes (TV receiver type)	7,137	(3)	149,120	194,452	8
Electro-therapeutic apparatus	7,601	7,967	9,505	(3)	15
Insulated wire and cable	895,128	879,915	1,265,905	1,346,029	1
Motors and generators	855,577	888,130	1,807,866	1,428,392	2
Phonograph records	102,015	85,203	87,670	91,527	10
Primary batteries (dry and wet) including parts and supplies	78,094	95,491	130,249	147,832	4
Radios and related products:					
Household radio receivers, television sets, radio-phonographs, phonographs, and record players	810,066	1,687,073	1,339,535	1,592,416	(2)
Commercial radio communications, radio navigation aids, and broadcast equipment	225,262	268,611	1,162,515	1,362,467	4
Electronic type components for communications recorders, amplifiers, audio equipment, and recording magnetic wire	348,916	607,356	1,126,482	1,405,849	15
Storage batteries	293,358	318,546	378,302	364,300	4
Switchgear and switchboard apparatus	360,038	331,736	569,205	621,100	3
Telephone and telegraph equipment, including components, attachments, and accessories	631,919	449,546	763,870	819,632	1
Transformers	326,777	405,480	582,012	637,626	3
Wiring devices and supplies	375,653	491,959	556,955	558,297	4
X-ray equipment and X-ray tubes	49,559	40,277	56,682	(3)	4

¹ See Technical Note, p. 789, for explanation of standard error. Standard errors for 1953 estimates are not available, but will generally be somewhat larger than the corresponding 1952 standard errors.

² Represents complete coverage.

³ Withheld because the estimate did not meet publication standards.

⁴ Excludes radio chassis and television chassis for sale separately. In 1947 these items amounted to \$5.7 million.

⁵ Includes X-ray accessories and dental and industrial X-ray components and assemblies.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures*.

No. 1054.—EXPORTS OF ELECTRIC HOME APPLIANCES—NUMBER: 1940 TO 1955

[Export figures include shipments under foreign aid programs such as UNNRA, Interim Aid, ECA, and MDAP (IOA); civilian supply shipments are included in 1948 and subsequent years]

PRODUCT	1940	1945	1948	1949	1950	1951	1952	1953	1954	1955
Vacuum cleaners	9,904	1,470	51,511	27,941	10,966	18,080	26,273	55,089	50,121	60,061
Clocks	86,036	27,306	192,831	259,840	315,273	241,544	174,818	217,088	169,736	212,454
Irons	162,587	53,762	354,964	243,747	241,471	206,765	155,475	155,242	168,660	170,101
Radios and televisions	558,308	38,547	710,490	452,879	422,958	432,806	463,146	450,832	304,629	387,986
Refrigerators ¹	102,082	7,134	271,354	106,139	199,527	377,094	395,402	403,604	321,677	360,390
Razors	36,758	1,913	32,413	22,150	25,410	54,619	(2)	(2)	(2)	(2)
Washing machines	29,657	1,109	70,594	56,887	52,582	62,440	60,658	80,885	79,512	82,642
Ranges	7,302	1,158	13,469	6,496	5,841	13,620	15,388	22,005	24,628	33,919

¹ Beginning 1949 includes home freezers. ² Not separately reported.

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the U. S.*, and records.

N o. 1055.—MANUFACTURERS' SALES OF HOME APPLIANCES, 1940 TO 1955, RETAIL VALUE, 1953 TO 1955, AND HOMES OWNING AND WITHOUT APPLIANCES, JANUARY 1956

[Light bulbs and tubes sales in millions; other figures in thousands. Compiled from sales reports and estimates of associations and manufacturers, and from Census Bureau surveys of manufactures. Sales figures represent manufacturers' sales including exports. Unless otherwise specified, figures are for electric appliances only. Estimates for homes owning appliances and homes without appliances are based on the accumulation of yearly sales totals with certain allowances for replacement, trade-ins, junking, and other factors]

PRODUCT	1940	1950	1953		1954		1955		JAN. 1956	
			Sales (units)	Retail value	Sales (units)	Retail value	Sales (units)	Retail value	Homes own- ing ¹	Homes with- out ¹
Air conditioners, room	11	201	1,045	\$349,514	1,230	\$419,298	1,290	\$412,800	2,585	43,415
Bed coverings, electric		800	948	35,976	1,050	37,748	1,350	40,500	5,351	40,649
Blenders		225	310	12,385	296	11,825	405	14,415	2,346	43,654
Broilers		295	1,130	56,333	1,550	75,950	1,545	77,173	5,528	40,472
Cleaners, vacuum:										
Floor type	1,341	3,529	2,778	263,122	2,658	254,460	3,330	292,807	29,586	16,414
Hand type	359	230	173	5,212	134	4,146	110	3,427		
Clocks	3,600	8,100	7,625	52,904	6,900	47,955	7,200	50,040	40,235	5,765
Coffee makers	1,873	2,975	3,685	73,516	3,450	68,675	3,675	71,663	14,818	31,183
Dehumidifiers		45	91	12,224	76	10,260	92	11,914	450	45,550
Dishwasher, motor-driven		230	180	34,000	215	64,500	295	90,270	1,838	44,102
Driers, clothes, total:		319	737	179,847	941	215,631	1,451	319,198	4,213	41,787
Electric		251	569	134,342	698	153,041	1,086	228,357		
Gas		68	168	45,505	243	62,590	365	90,841		
Fans:										
Attic		95	135	18,563	125	16,375	140	17,500		
Desk and bracket	1,682	2,450	3,035	74,358	3,825	94,286	2,525	50,373		
Hassock or floor		180	335	16,030	360	17,100	220	10,670		
Ventilating, wall and ceiling	107	495	754	26,390	825	30,938	860	30,100		
Window ventilating				845	52,939	1,425	79,643	1,645	82,168	
Floor polishers		240	295	19,175	325	19,500	375	20,250		
Food waste disposers		320	325	400	47,980	520	62,374	2,553	43,447	
Freezers, home	890	1,090	436,000	990	391,425	1,100	439,945	7,715	38,285	
Fryers, deep fat		500	2,650	79,500	1,995	43,091	2,275	39,813		
Gas central heating equipment ²	117	1,025	709	961			1,135			
Heaters, electric, total	525	1,115	1,400	33,905	1,330	34,233	1,535	45,146	31,675	34,325
Heating pads	932	1,725	1,875	12,281	1,675	10,888	1,920	11,808	15,639	30,361
Hotplates	415	1,160	695	5,908	710	5,929	720	5,580	10,140	35,860
Ironers	176	409	160	34,013	90	18,291	89	18,674	4,218	41,782
Irons	5,171	7,475	7,575	118,577	6,583	95,063	8,028	114,799	41,537	4,404
Kitchen cabinets, steel ³	2,969	3,441	2,000	3,372	174,440	4,046	209,328			
Lamp bulbs and tubes	1,115	2,007	2,201	613,500	2,244	641,700	2,451	751,500		
Incandescent	568	934	976	244,000	1,004	236,000	1,025	330,000		
Other types	548	1,073	1,225	349,500	1,240	355,700	1,426	421,500		
Lawn mowers, power	42	1,080	1,275	144,542	1,350	121,095	2,103	180,869		
Mixers, food:										
Standard	460	1,700	1,270	55,880	1,215	58,189	1,615	71,464		
Portable		145	615	11,654	925	18,038	1,625	31,688	17,467	28,533
Oil space heaters	390	886	643	60,893	452	43,394	410	40,180		
Radio:										
Home radios	11,860	8,175	4,403	138,695	3,068	88,194	3,525	101,344		
Portable and clock radios		1,675	3,783	130,100	3,208	100,594	4,275	147,186	46,700	1,459
Ranges:										
Electric	450	1,830	1,250	318,730	1,350	353,700	1,600	420,800	12,965	33,035
Gas, domestic ²	1,742	3,031	2,182	2,023			2,257			
Refrigerators	2,700	5,200	3,650	1,076,750	3,600	1,095,865	4,025	1,267,875	43,300	2,700
Roasters	260	400	395	17,330	350	13,983	330	13,184	4,571	41,429
Shavers	900	2,150	3,500	94,500	3,050	108,625	4,750	121,125	19,834	26,166
Television	7,464	7,218	2,020,424	7,347	1,688,741	7,908	1,833,960	35,000	11,000	
Toasters	2,307	4,325	3,170	57,722	3,110	52,227	3,350	56,318	34,391	11,609
Waffle irons and sandwich grills	1,545	2,535	1,370	29,455	928	17,354	995	18,905	15,410	30,590
Washing machines:										
Automatic and semi-automatic	1,802	1,646	2,071	577,401	2,401	653,816	3,187	856,703	38,700	7,300
Wringers and spinner		2,626	1,521	228,018	1,209	179,741	1,200	175,655		
Water heaters:										
Electric storage	125	980	780	102,960	800	101,338	900	107,955	7,500	38,500
Gas, automatic domestic ²	551	2,304	2,183	2,281			2,748			
Water systems	259	723	702	119,000	728	123,400	788	130,000		

¹ All figures except radio based on 46 million domestic and farm electric customers. Radio based on 48,158,600 total homes.

² Source: Gas Appliance Manufacturers Association.

³ Portable (electric).

⁴ Standard.

⁵ So-called portable metal cabinets excluded.

⁶ 1941 data.

Source: *Electrical Merchandising*, January 1956; published by McGraw-Hill Publishing Co., Inc., New York, N. Y. (except as noted).

No. 1056.—SHIPMENTS OF AIR-CONDITIONING EQUIPMENT AND REFRIGERATION EQUIPMENT: 1945 TO 1953

[Value figures in thousands of dollars; represent manufacturer's billing prices for units actually billed and shipped.
Data for earlier years are less complete, and thus not strictly comparable]

PRODUCT	1945		1950		1952		1953	
	Number	Value	Number	Value	Number	Value	Number	Value
Condensing units.....	354,401	86,902	885,913	75,833	654,223	61,439	966,136	74,013
Ammonia refrigerators.....	1,785	2,503	245	352	209	300	158	214
Refrigerators except ammonia.....	352,616	34,399	885,668	75,481	654,014	61,139	965,978	73,799
Air-cooled.....	327,031	23,378	835,239	59,036	616,215	47,369	920,947	55,958
Water-cooled.....	26,585	11,021	50,429	16,446	37,799	13,780	45,031	17,841
Compressors and compressor units.....	107,340	9,578	954,368	46,977	1,677,300	71,047	2,380,739	121,054
Centrifugal-refrigeration systems.....	185	2,994	382	12,249	363	14,040	409	14,970
Heat-exchanger equipment.....	22,422	-	61,537	-	63,666	-	82,602	-
Evaporative condensers.....	2,885	2,829	7,818	8,369	4,873	7,179	5,508	8,647
Unit coolers.....	91,003	10,186	133,300	24,588	75,854	11,111	89,532	13,489
Other heat-exchanger equipment.....	9,407	-	27,880	-	45,376	-	60,466	-
Self-contained air-conditioning units.....	14,973	11,230	257,263	86,913	438,464	135,579	1,137,293	293,644
Ice-making machines.....	2,805	4,044	14,914	8,907	26,093	12,838	28,228	14,385

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M52A.

No. 1057.—MOTION-PICTURE PRODUCTION—SUMMARY: 1921 TO 1947
(Money figures in thousands of dollars)

YEAR	Number of establish- ments	ALL EMPLOYEES		Total expenses other than salaries and wages	Total cost of work done during the year
		Number (average for the year)	Salaries and wages, total		
1921.....	127	10,659	\$37,693	(1)	\$77,397
1923.....	97	9,904	38,425	(1)	86,418
1925.....	132	11,518	49,017	\$44,619	93,636
1927.....	142	16,013	74,936	50,407	134,343
1929.....	142	19,602	85,028	99,074	184,102
1931.....	140	14,839	70,637	(1)	164,436
1933.....	92	19,037	71,344	47,909	119,343
1935.....	129	27,592	104,430	57,435	161,865
1937.....	83	32,398	139,551	58,190	197,741
1939.....	178	36,345	142,543	73,157	216,700
1947.....	277	34,799	293,046	167,097	460,143

¹ Not available.

² Represents production-department employees only; not comparable other years.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 1058.—FARM MACHINES AND EQUIPMENT—SHIPMENTS: 1929 TO 1953

[In thousands of dollars. Includes data for tractors for nonfarm use; for figures excluding these data, see table 1060. Survey suspended 1932-34. Data prior to 1947 represent sales, not significantly different from shipments]

YEAR	Total	Farm machines and equip- ment	Attach- ments and parts	YEAR	Total	Farm machines and equip- ment	Attach- ments and parts
1929.....	492,992	411,681	81,311	1943.....	602,290	344,854	267,436
1930.....	417,926	340,276	77,650	1944.....	1,026,207	694,880	331,327
1931.....	208,575	157,745	50,830	1945.....	996,557	677,422	299,136
1935.....	277,089	218,402	58,627	1946.....	983,515	699,965	283,550
1936.....	375,128	301,683	73,445	1947.....	1,502,598	1,100,592	402,006
1937.....	485,130	405,597	79,533	1948.....	1,961,987	1,475,998	485,989
1938.....	404,047	316,886	87,161	1949.....	2,062,266	1,588,435	473,831
1939.....	386,549	300,286	86,233	1950.....	2,099,807	1,637,272	462,535
1940.....	462,415	360,963	101,452	1951.....	2,635,936	2,028,779	606,217
1941.....	638,005	606,170	132,455	1952.....	2,897,535	1,812,286	585,249
1942.....	622,528	414,536	207,992	1953.....	2,274,942	1,738,460	526,482

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M35A.

No. 1059.—TRACTORS, ATTACHMENTS, AND PARTS (DOMESTIC AND EXPORT)—SHIPMENTS, BY KIND: 1945 TO 1953

[Value in thousands of dollars. Data for 1945 represent sales, not significantly different from shipments.]

YEAR AND TYPE OF PRODUCT	Total value	COMPLETE UNITS				ATTACHMENTS AND PARTS (value)	
		Domestic		Export		Domestic	Export
		Number	Value	Number	Value		
Total:							
1945	559,378	232,086	329,171	63,566	55,325	155,992	18,890
1949	1,064,476	599,621	603,874	121,023	189,007	206,059	65,536
1950	1,098,049	604,656	649,972	93,658	170,059	218,287	59,731
1951	1,417,030	676,651	841,113	106,816	201,606	288,886	85,425
1952	1,293,481	591,502	743,543	76,322	181,072	281,051	87,815
1953	1,271,834	573,213	729,925	79,548	218,362	246,736	74,811
Wheel type:							
1945	250,069	186,281	126,357	57,411	42,530	67,427	13,746
1949	723,129	445,030	454,505	100,388	117,865	125,017	25,682
1950	705,152	425,815	478,238	74,102	96,057	111,315	19,542
1951	930,064	472,821	631,027	87,152	126,974	140,722	31,341
1952	774,072	360,366	516,847	56,811	98,829	129,436	28,960
1953	726,937	336,401	494,981	53,965	95,341	112,470	24,377
1954 (prel.)	(1)	212,832	360,404	43,860	82,863	(1)	(1)
Tracklaying:							
1945	303,209	39,404	199,461	4,594	12,547	86,255	5,006
1949	311,113	28,260	129,234	15,589	70,189	72,352	39,338
1950	360,437	29,167	150,205	15,433	73,282	97,115	39,835
1951	449,478	33,507	186,017	15,635	73,943	135,926	53,592
1952	477,920	33,506	109,352	14,559	81,489	138,682	58,397
1953	500,143	31,692	206,698	18,905	121,998	121,387	50,060
1954 (prel.)	(1)	23,783	153,580	16,591	109,338	(1)	(1)
Garden type:							
1945	6,040	26,401	3,353	1,561	230	2,310	138
1949	30,234	126,331	20,075	5,096	953	8,990	516
1950	32,460	149,704	21,529	4,123	720	9,857	354
1951	37,488	164,328	24,069	4,029	689	12,238	492
1952	41,489	197,540	27,344	4,952	754	12,033	468
1953	44,754	205,120	28,246	6,678	1,023	14,879	606

1 Not available.

No. 1060.—FARM MACHINES AND EQUIPMENT—SHIPMENTS, BY CLASS: 1945 TO 1953

[In thousands of dollars. Excludes data for tractors for nonfarm use. Data for 1945 represent sales, not significantly different from shipments.]

CLASS	1945	1948	1949	1950	1951	1952	1953
Total	700,177	1,733,746	1,813,008	1,792,427	2,204,491	1,938,996	1,648,412
Farm machines and equipment (complete units)	490,504	1,334,345	1,424,068	1,437,824	1,758,656	1,524,630	1,314,287
Attachments and parts	209,673	369,401	388,940	354,603	445,835	414,366	334,125
COMPLETE UNITS, ATTACHMENTS, AND PARTS							
Plows and listers	40,163	100,605	99,974	100,326	111,512	92,632	68,703
Harrows, rollers, pulverizers, and stalk cutters	22,598	80,954	76,860	77,716	94,188	84,558	78,785
Planting, seeding, and fertilizing machinery	43,286	109,505	114,875	113,053	134,062	127,366	107,443
Cultivators and weeder	33,557	80,069	70,169	57,253	80,983	71,605	54,829
Sprayers and dusters	14,715	44,458	32,159	36,770	42,530	36,420	34,701
Harvesting machinery	99,361	247,820	200,555	288,153	345,084	309,384	204,024
Haying machinery	49,456	153,395	151,791	154,979	209,546	202,062	101,441
Machines for preparing crops for market or for use	25,230	42,216	35,383	30,552	36,406	31,461	29,910
Farm poultry equipment	24,868	20,379	25,345	30,127	34,611	25,442	27,216
Farm dairy machines and equipment	46,752	23,443	20,057	22,960	22,310	21,471	24,292
Barn equipment	7,087	13,207	10,050	11,300	13,719	15,526	15,107
Barnyard equipment	8,087	10,915	13,498	17,777	21,641	15,064	12,507
Farm elevators and blowers	6,144	25,311	32,735	34,671	39,378	40,640	37,664
Farm wagons, trucks, and other farm transportation equipment	15,864	38,918	24,339	26,103	32,096	20,505	26,555
Tractors for farm use	262,999	742,551	815,218	790,680	985,525	834,942	1,645,226

1 Domestic shipments only.

Source of tables 1059 and 1060: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M35A and M37B.

Section 31

Distribution and Services

This section presents statistics relating to retail, wholesale, and service trades. The data are shown for the distribution trades classified by kind of business and for the different categories of services (personal, business, repair, amusement, hotel, etc.) and cover sales or receipts, establishments, employees, payrolls, proprietors, and other items. A number of tables are also included on advertising expenditures.

The principal sources of these data are the reports of the Census of Business conducted periodically by the Bureau of the Census and the same agency's reports resulting from its annual and monthly surveys. Other important government sources devoted to particular aspects of the distribution and service trades are the monthly *Federal Reserve Bulletin* (department store data) issued by the Board of Governors of the Federal Reserve System, and the monthly *Survey of Current Business* (retail sales, sales and inventories of wholesalers, consumer expenditures for services, etc.) issued by the Office of Business Economics. Financial data for tax-filing and securities-listed corporations engaged in retail, wholesale, or service trades appear in the annual *Statistics of Income* published by the Internal Revenue Service and are also available from the Securities and Exchange Commission. The Federal Trade Commission, in the course of its investigations, also collects operating statistics on firms and chains in various kinds of business.

In addition to the above, private agencies provide a number of helpful reports which include statistics in this field. Among these are: Dun and Bradstreet's monthly *Dun's Statistical Review*; the monthly *Horwath Hotel Accountant* of Horwath and Horwath; and the weekly *Advertising Age* of Advertising Publications, Inc.

Censuses and current surveys.—The first Census of Business was taken for 1929. Although the next census was scheduled by law to cover 1939, two special censuses covering 1933 and 1935 were taken before the census for 1939. The next census was not taken until 1949 covering the year 1948. Present legislation provides for a quinquennial Census of Business. A census covering the year 1954 is presently in process and nearing completion; preliminary results are now available and final data will appear throughout 1956.

Current sample surveys of the Bureau of the Census are conducted with varying scope for the retail, wholesale, and service trades. The Bureau compiles monthly reports of the dollar volume of retail sales by kinds of business, showing national and regional estimates, and trends in selected large metropolitan areas. These appear in the *Monthly Retail Trade Report*. Annual figures on sales, inventories, and receivables, classified by kind of business, are presented in the *Annual Retail Trade Report*. The *Advance Retail Sales Report* issued jointly by the Bureau of the Census and the Office of Business Economics within 10 days after the end of each report month also presents preliminary estimates of the previous month's retail sales classified by major kind-of-business groups.

Note.—This section presents data for the most recent year or period available on May 24, 1956, when the material was organized and sent to the printer.

Statistics from the Bureau's wholesale trade survey which is conducted monthly present trends in volume of sales and inventories of merchant wholesalers, by kind of business and by geographic divisions. These data appear in the *Monthly Wholesale Trade Report* and are based on reports submitted by a sample of firms representing merchant wholesalers in all kinds of business. A more comprehensive survey was made covering 1953 which provided figures on sales, inventories, receivables, bad debt losses, and operating expenses. Monthly estimates of aggregate sales and inventories of all wholesalers are prepared by the Office of Business Economics and published in the *Survey of Current Business*.

The Bureau of the Census also compiles and issues current information on distributor stocks of various canned foods and on inventories of green coffee held and green coffee roasted by roasters, importers, and dealers.

Establishments and coverage.—The business establishments covered in the fields included in the Census of Business may be generally described as follows:

Retail trade.—Places of business primarily engaged in selling merchandise for personal, household, or farm consumption;

Wholesale trade.—Establishments primarily engaged in selling goods to dealers and distributors for resale or to purchasers who buy for business uses; and

Service.—Establishments engaged primarily in the sale of services as contrasted with the sale of merchandise.

Certain types of businesses, broadly defined, generally are not included in the Census of Business. Outstanding in this group are the business activities of doctors, lawyers, dentists, and others performing a professional or scientific service, educational institutions, religious or charitable institutions, hospitals and infirmaries, public utilities, and government-operated enterprises.

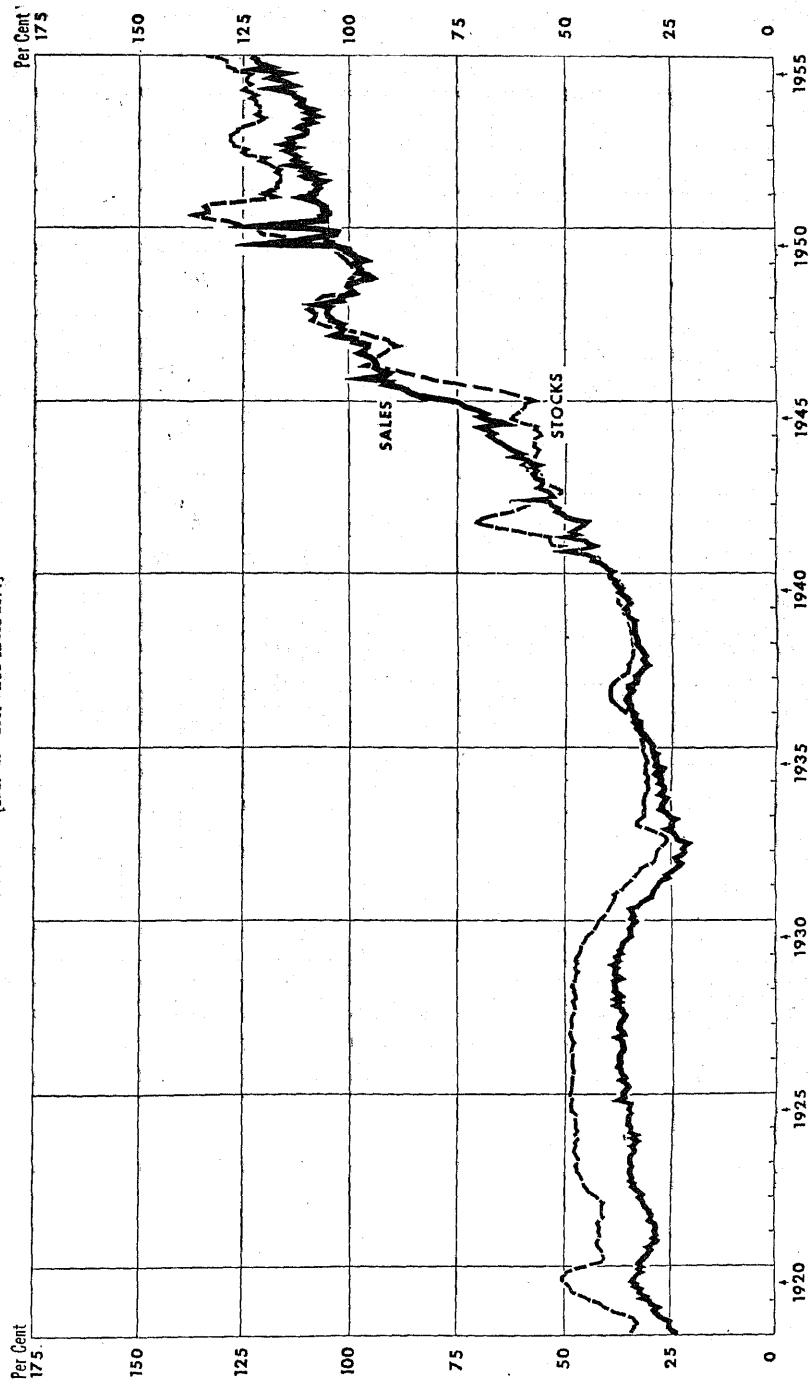
Data on retail and service trades from the 1948 Census excluded all establishments which had receipts of less than \$500; 1954 data exclude establishments with no paid employment which had receipts of less than \$2,500 and \$1,000 for retail trade and service trades, respectively. This change does not significantly affect sales comparisons but makes considerable difference in some kinds of establishment counts.

Wholesale trade establishments with no paid employment, included in 1948, were excluded from the 1954 Census. Service trades coverage for 1954 was expanded beyond that for 1948 to include data on golf and country clubs; motion picture production, distribution, etc.; trailer parks, and sporting and recreational camps. Different enumerating techniques adopted for the 1954 Census also increased coverage of business service and amusement establishments.

Advertising.—Statistics shown here on advertising expenditures are compiled by private organizations. McCann-Erickson, Inc., which compiles certain of the data shown on advertising expenditures, defines national advertising as that advertising done for companies whose products are distributed nationally, and for which national media rates are paid. Local advertising is defined as advertising done for companies which market their products locally and may pay special "local" media rates. Monthly figures are published regularly in *Printers' Ink*, in *Tide Magazine*, and also by the Department of Commerce in *Survey of Current Business*.

FIG. XLV.—INDEXES OF DEPARTMENT STORE SALES AND STOCKS: 1919 TO 1955

[1947-49=100. See table 1077]



Source: Board of Governors of the Federal Reserve System.

No. 1061.—RETAIL TRADE—SALES, BY KIND OF BUSINESS, AND TOTAL INVENTORIES:
1929 TO 1955

[In millions of dollars]

KIND OF BUSINESS	1929	1935	1939	1945	1950	1951	NEW SERIES ¹			
							1951	1953	1954	1955
SALES										
All retail stores ²	\$ 48,459	32,791	42,042	78,034	143,689	152,975	158,223	170,741	170,664	185,479
Durable goods stores ²	15,610	8,321	11,312	16,026	52,935	53,170	54,479	60,371	58,173	66,978
Automotive group										
Motor vehicle, other automotive dealers	7,031	4,237	5,549	5,855	28,289	27,816	28,156	33,320	31,665	38,226
Tire, battery, accessory dealers	6,432	3,863	5,025	5,000	26,702	25,634	26,282	31,498	29,962	36,267
Furniture and appliance group	2,755	1,290	1,733	2,740	8,249	8,073	8,604	9,125	9,079	10,055
Furniture and home furnishings	1,813	852	1,200	2,101	4,847	4,943	5,095	5,136	5,291	6,116
Household appliances and radio	942	438	533	639	3,402	3,130	3,509	3,989	3,788	3,939
Jewelry	536	235	362	997	1,174	1,256	1,361	(4)	(4)	(4)
Lumber, building and hardware group	3,327	1,572	2,390	3,739	10,092	10,648	10,208	10,421	10,135	11,039
Lumber and building materials	2,621	1,105	1,761	2,502	7,458	7,798	7,470	7,715	7,433	8,242
Hardware	706	467	629	1,237	2,634	2,850	2,738	2,706	2,702	2,788
Nondurable goods stores ²	32,849	24,470	30,730	62,008	90,754	99,805	103,744	110,370	112,491	118,501
Apparel group										
Men's and boys' wear	4,241	2,656	3,259	7,689	9,333	10,043	10,209	10,250	10,147	10,791
Women's apparel and accessory	1,358	727	840	1,769	2,175	2,320	2,461	2,249	2,239	2,294
Family and other apparel	1,480	1,026	1,323	3,338	3,606	3,923	4,049	4,080	4,009	4,207
Shoes	595	392	479	1,442	2,041	2,163	2,015	2,182	2,090	2,281
Drug and proprietary stores	807	511	617	1,140	1,511	1,637	1,684	1,736	1,809	2,009
Eating and drinking places	1,690	1,283	1,563	3,155	4,166	4,500	4,547	4,700	4,940	5,232
Food group ³	2,132	2,395	3,529	9,675	10,626	11,626	12,207	13,003	13,127	13,662
Grocery	10,960	8,358	10,156	19,233	32,768	36,940	37,626	40,777	41,635	43,638
Gasoline service stations ⁴	7,353	6,352	7,722	14,593	26,412	29,816	30,346	33,623	34,993	36,919
General merchandise group	1,787	1,968	2,822	3,284	7,553	8,300	9,151	10,536	11,443	12,411
Department, excluding mail order	9,015	6,730	6,475	11,802	17,255	18,170	18,202	19,000	18,857	20,100
Liquor										
INVENTORIES ⁵										
All retail stores, inventories, end of year	(4)	(4)	5,285	7,442	18,414	(4)	119,904	20,147	(4)	(4)

¹ New series not comparable to prior years due to change in methodology used to compute retail store sales and inventory estimates; see *Survey of Current Business*, September and November 1952.² Sales of other durable goods stores, other food stores, and other nondurable goods stores not shown separately but included in totals.³ Includes sales of certain milk dealers in the amount of \$130,000,000, not included in tables 1068 and 1069.⁴ Not available.⁵ Much of increase in sales from 1929 to 1939 results from change in classification. Garages primarily selling gasoline and oil were classified separately as garages in 1929 Census of Retail Trade and included in filling station category in 1939 Census of Retail Trade.⁶ Source: Bureau of the Census.⁷ Includes chain-store warehouses.Source: Department of Commerce, Office of Business Economics (except as noted); published currently in *Survey of Current Business*.

No. 1062.—SALES OF RETAIL STORES, BY MONTHS: 1953 TO 1955.

[In millions of dollars. Monthly figures are seasonally adjusted; they do not necessarily add to annual totals shown. Data not comparable to those published for years prior to 1951 due to change in methodology; see *Survey of Current Business*, September 1952.]

MONTH	ALL RETAIL STORES			DURABLE GOODS STORES ¹			NONDURABLE GOODS STORES ¹		
	1953		1954	1953	1954	1955	1953	1954	1955
	Total	170,741	170,664	185,479	60,371	58,173	66,978	110,370	112,491
January	14,140	13,622	14,864	5,000	4,436	5,143	9,140	9,186	9,722
February	14,514	13,972	14,765	5,304	4,745	5,209	9,211	9,228	9,556
March	14,437	13,900	15,060	5,211	4,858	5,458	9,225	9,042	9,602
April	14,280	14,242	15,251	5,124	4,882	5,522	9,156	9,360	9,729
May	14,424	14,044	15,368	5,154	4,730	5,507	9,270	9,313	9,860
June	14,412	14,439	15,345	5,103	5,024	5,570	9,309	9,415	9,775
July	14,469	14,272	15,484	5,102	4,911	5,640	9,367	9,361	9,844
August	14,073	14,150	15,602	4,914	4,770	5,763	9,159	9,380	9,900
September	13,982	14,214	15,840	4,865	4,798	5,840	9,117	9,417	10,060
October	14,040	14,071	15,777	5,029	4,689	5,764	9,011	9,382	10,013
November	14,104	14,361	15,808	5,005	4,948	5,689	9,099	9,412	10,119
December	13,982	15,123	15,795	4,626	5,320	5,677	9,306	9,803	10,118

¹ Durable goods comprise automotive group; furniture and appliance group; lumber, building, hardware group; and other durable goods stores. Nondurable goods stores comprise all other kinds of business.

Source: Department of Commerce, Office of Business Economics; published currently in *Survey of Current Business*.

No. 1063.—RETAIL TRADE—SALES, BY KIND OF BUSINESS AND ORGANIZATION OPERATION GROUP, BY REGIONS: 1954

[In million of dollars. Based on sample survey. Totals include data for kinds of business not shown separately. See map on p. XVI for States comprising Census regions]

KIND OF BUSINESS	All stores	GROUP I STORES ¹					Group II stores ²
		Total	North-east	North Central	South	West	
		170,675	138,773	3 36,733	3 44,529	3 35,259	3 22,252
Food group							
Grocery stores ⁴	41,634	27,291	7,566	8,388	6,913	4,424	14,345
34,905	34,905	21,633	4,827	6,704	6,193	3,820	13,359
Eating and drinking places	13,130	12,464	3,809	4,031	2,556	2,068	663
Eating places	8,403	7,812	2,424	2,213	1,821	1,354	-----
Drinking places	4,668	4,651	1,385	1,818	736	712	-----
General merchandise group							
Department stores, including mail order	18,859	9,945	2,586	3,210	2,704	1,355	8,862
Variety stores	11,494	6,224	1,852	2,315	1,333	724	5,222
Apparel group	3,028	(*)	-----	-----	-----	-----	2,357
Women's ready-to-wear	10,148	(*)	2,180	2,083	1,016	2,042	-----
Shoe stores	3,531	-----	-----	-----	-----	721	676
Furniture and appliance group	1,809	-----	-----	-----	-----	-----	-----
Lumber, building, hardware group	9,082	8,357	2,603	2,397	2,085	1,272	724
Automotive group	13,034	-----	-----	4,619	2,927	1,974	-----
Motor-vehicle dealers (new and used cars) ⁵	31,666	-----	-----	-----	-----	-----	-----
Gasoline service stations	26,590	-----	-----	-----	-----	-----	-----
Other retail stores	11,445	10,907	2,093	3,747	3,114	1,953	-----
Drug and proprietary stores	21,677	-----	-----	-----	-----	-----	2,713
Liquor stores	4,941	4,180	1,052	1,329	1,099	700	761
	3,417	-----	853	630	(*)	-----	809

¹ Stores of organizations operating from 1 to 10 retail stores.

² Organizations operating 11 or more retail stores.

³ Revised.

⁴ Includes data for grocery stores with and without fresh meat.

⁵ Not available.

⁶ Excludes data for motor-vehicle dealers (used cars only).

Source: Department of Commerce, Bureau of the Census; *Monthly Retail Trade Report*, December 1954, and records.

No. 1064.—RETAIL STORES—SUMMARY: 1948 AND 1954

[Preliminary. Minus sign (—) denotes decrease. 1948 data adjusted to secure comparability with 1954. See text, p. 842]

ITEM	1948	1954	Percent increase, 1948 to 1954	ITEM	1948	1954	Percent increase, 1948 to 1954
Establishments:				Payroll... \$1,000,000...	13,305	18,179	37
Total.....	1,764,488	1,720,920	—2	Paid employees:			
With payroll.....	1,121,009	1,123,133	0.2	Total.....	6,885,900	7,121,331	4
Sales (\$1,000,000):				Full-time.....	5,529,518	5,772,698	4
Total.....	128,993	169,672	32	Active proprietors ¹	1,737,350	1,765,693	2
With payroll.....	118,313	157,637	33				

¹ Unincorporated businesses only.

Source: Department of Commerce, Bureau of the Census; 1954 *Census of Business, Retail Trade*, Series PR-1-1.

No. 1065.—RETAIL STORES—ESTABLISHMENTS AND SALES, BY KIND OF BUSINESS: 1948 AND 1954

[Preliminary. See headnote, table 1064]

KIND OF BUSINESS	1948			1954			Percent increase, 1948 to 1954	
	Establishments	Sales		Establishments	Sales			
		Total	Percent distribution		Total	Percent distribution		
Total.....	1,764,488	Mil. dol. 128,993	100.0	1,720,920	Mil. dol. 169,672	100.0	32	
Food stores.....	498,598	29,266	22.8	383,983	39,636	23.3	35	
Eating, drinking places.....	346,453	10,675	8.3	319,554	13,084	7.7	23	
General merchandise group.....	73,727	15,801	12.2	76,524	18,024	10.6	14	
Apparel, accessories stores.....	114,875	9,723	7.5	119,712	11,070	6.5	14	
Furniture, home furnishings, appliance dealers.....	84,180	6,598	5.1	91,750	8,573	5.1	30	
Automotive group.....	86,151	20,102	15.6	85,879	20,810	17.6	48	
Gasoline service stations.....	188,252	6,483	5.0	181,734	10,780	6.4	66	
Lumber, building materials, hardware, farm equipment dealers.....	98,917	11,145	8.6	100,472	13,068	7.7	17	
Drug stores, proprietary stores.....	55,764	4,012	3.1	55,990	5,244	3.1	31	
Other retail stores.....	212,362	12,869	10.0	226,824	15,887	9.4	23	
Nonstore retailers.....	5,209	2,320	1.8	78,498	4,406	2.6	94	

Source: Department of Commerce, Bureau of the Census; 1954 *Census of Business, Retail Trade*, Series PR-1-1.

No. 1066.—RETAIL STORES—SUMMARY, BY STATES: 1954

[Preliminary. See text, p. 842]

DIVISION AND STATE	ESTABLISHMENTS		SALES		Payroll, entire year	PAID EMPLOYEES, WORKWEEK ENDED NEAREST NOV. 15		Active proprietors (unincorporated businesses only)	
	Total	With payroll	All establishments			Establishments with payroll	Total		
			Total	Percent increase, 1945 to 1954			Full workweek		
U. S.	1,720,920	1,123,133	Mil. dol.	169,672	32	Mil. dol.	157,637	Mil. dol.	
N. E.	112,779	75,195	10,903	31	10,172	1,209	484,734	375,225	
Maine	11,623	7,741	920	24	844	83	37,085	29,871	
N. H.	7,429	5,061	601	30	659	57	24,278	19,197	
Vt.	4,623	3,183	380	14	353	35	14,938	12,447	
Mass.	53,012	35,692	5,542	33	5,205	650	263,527	202,121	
R. I.	10,302	5,982	843	21	766	91	37,384	29,303	
Conn.	25,700	17,536	2,618	36	2,445	292	107,522	82,286	
M. A.	368,804	231,886	34,987	26	32,197	3,885	1,460,885	1,188,079	
N. Y.	183,312	119,264	18,076	26	16,712	2,088	753,913	616,706	
N. J.	64,891	40,581	6,130	40	5,602	638	227,228	183,897	
Pa.	120,601	72,041	10,782	21	9,583	1,160	479,744	387,476	
E. N. C.	343,291	238,721	37,147	30	34,989	4,109	1,562,533	1,215,571	
Ohio	86,881	61,021	9,619	33	9,081	1,086	418,206	327,309	
Ind.	41,613	31,533	4,507	29	4,317	497	195,780	155,825	
Ill.	98,985	65,221	11,011	26	10,301	1,252	463,129	380,557	
Mich.	67,968	50,304	8,134	39	7,742	874	322,949	251,382	
Wis.	47,844	30,642	3,877	21	3,548	400	162,460	120,498	
W. N. C.	176,171	119,866	16,145	23	15,030	1,601	665,000	527,789	
Minn.	35,366	24,462	3,450	20	3,224	367	146,311	112,613	
Iowa	35,122	23,950	3,075	21	2,851	279	118,381	93,219	
Mo.	47,238	30,223	4,495	27	4,167	474	191,671	154,793	
N. Dak.	7,743	5,291	662	9	609	61	25,112	21,260	
S. Dak.	8,338	6,096	679	9	638	61	26,374	21,359	
Nebr.	17,034	12,139	1,587	21	1,485	154	64,834	52,708	
Kans.	25,330	17,700	2,197	30	2,055	207	92,317	71,837	
S. A.	217,838	134,632	20,595	40	19,020	2,141	927,482	777,486	
Del.	4,300	2,732	486	29	454	52	19,480	16,200	
Md.	24,856	15,828	2,684	43	2,496	301	125,814	102,581	
D. C.	6,730	5,184	1,218	10	1,182	171	61,924	54,097	
Va.	30,958	20,446	3,113	41	2,916	326	143,266	120,043	
W. Va.	18,685	11,407	1,411	10	1,295	147	63,011	54,017	
N. C.	38,054	22,002	3,215	43	2,903	311	144,229	115,993	
S. C.	20,583	11,919	1,520	33	1,347	139	68,901	55,472	
Ga.	32,392	19,508	2,954	40	2,712	288	131,326	110,315	
Fla.	41,280	25,546	3,995	71	3,712	405	169,531	148,768	
E. S. C.	100,605	59,815	8,340	31	7,530	773	361,826	304,414	
Ky.	26,469	16,037	2,196	32	1,992	209	91,823	76,031	
Tenn.	31,056	18,670	2,759	33	2,511	262	121,853	103,253	
Ala.	26,154	14,986	2,108	29	1,888	191	92,840	78,062	
Miss.	16,926	10,122	1,277	27	1,140	111	55,310	47,068	
W. S. C.	162,207	102,073	14,809	36	13,659	1,427	631,149	538,919	
Ark.	18,753	10,965	1,334	23	1,183	112	53,985	45,797	
La.	26,844	15,578	2,338	39	2,125	238	107,792	95,385	
Oklahoma	25,313	15,569	2,117	30	1,926	196	87,099	73,875	
Texas	91,267	59,961	8,021	39	8,426	880	382,273	323,802	
Mt.	62,343	43,057	6,341	37	5,956	669	254,463	209,094	
Mont.	8,226	5,868	779	30	731	78	28,578	23,916	
Idaho	7,098	5,058	671	16	626	66	24,899	20,575	
Wyo.	3,965	2,817	384	25	362	40	14,426	11,995	
Colo.	15,465	10,887	1,725	38	1,635	187	72,556	59,076	
N. Mex.	8,481	5,319	733	54	674	73	29,636	25,066	
Ariz.	9,721	6,389	983	50	918	105	39,165	32,975	
Utah	6,670	4,772	735	28	696	80	32,829	25,040	
Nev.	2,717	1,947	330	65	314	39	12,374	10,451	
Pac.	176,882	117,888	20,403	38	19,084	2,365	773,259	636,121	
Wash.	26,738	17,800	2,849	29	2,662	322	107,740	85,172	
Oreg.	19,064	12,324	1,924	21	1,782	205	70,157	59,994	
Calif.	131,080	87,764	15,629	43	14,640	1,838	595,362	490,955	

Source: Department of Commerce, Bureau of the Census; 1954 Census of Business, Retail Trade, Series PR-1-1.

No. 1067.—RETAIL STORES—ESTABLISHMENTS AND

[Preliminary. See

DIVISION AND STATE	TOTAL		FOOD STORES		EATING, DRINKING PLACES		GENERAL MERCHANTISE GROUP		APPAREL, ACCESSORIES STORES		FURNITURE, HOME FUR- NISHINGS, APPLIANCE DEALERS	
	Estab- lish- ments	Sales	Estab- lish- ments	Sales	Estab- lish- ments	Sales	Estab- lish- ments	Sales	Estab- lish- ments	Sales	Estab- lish- ments	Sales
		Mil. dol.		Mil. dol.		Mil. dol.		Mil. dol.		Mil. dol.		Mil. dol.
U. S.	1,720,920	169,672	388,983	39,636	319,554	13,084	76,524	18,024	119,712	11,070	91,750	8,573
N. E.	112,779	10,903	25,317	2,735	18,387	780	4,872	1,060	9,114	785	6,458	515
Maine....	11,523	920	3,193	245	1,485	41	834	96	812	50	560	34
N. H.	7,429	601	1,582	160	1,064	32	434	44	590	36	456	24
Vt.	4,823	380	971	92	586	18	321	33	320	18	284	17
Mass.	53,012	5,542	12,307	1,410	8,749	436	1,787	572	4,329	416	2,971	254
R. I.	10,302	843	2,115	197	1,917	64	655	82	748	69	570	37
Conn.	25,700	2,618	5,149	631	4,566	190	841	232	2,315	195	1,608	149
M. A.	368,804	34,987	92,640	8,861	71,747	3,353	12,691	3,387	33,197	3,195	19,485	1,941
N. Y.	183,312	18,075	46,406	4,661	35,316	1,981	6,371	1,688	17,899	1,860	9,815	1,021
N. J.	64,891	6,130	15,266	1,566	13,455	591	2,126	439	5,632	481	3,223	342
Pa.	120,601	10,782	30,968	2,633	22,976	881	4,194	1,250	9,666	763	6,447	578
E. N. C.	343,291	37,147	71,464	8,479	74,461	3,075	11,211	4,066	23,073	2,204	18,527	1,796
Ohio....	86,881	9,619	19,852	2,314	17,239	770	2,790	1,175	5,483	523	5,090	482
Ind.	41,613	4,507	8,233	981	7,542	325	1,520	489	2,620	239	2,462	224
Ill.	98,985	11,011	20,762	2,408	22,283	1,013	3,101	1,110	7,594	763	4,807	512
Mich.	67,968	8,134	14,546	1,932	13,476	590	2,236	868	4,695	479	3,785	401
Wis.	47,844	3,877	8,071	843	13,021	377	1,564	424	2,681	200	2,383	177
W. N. C.	176,171	16,145	30,274	3,219	32,884	1,074	7,999	1,649	9,464	807	8,843	714
Minn.	35,366	3,450	6,533	692	6,781	250	1,577	378	1,982	189	1,632	145
Iowa....	35,122	3,075	5,494	587	6,459	188	1,322	270	1,840	144	1,975	136
Mo.	47,298	4,495	9,282	936	8,984	304	2,526	533	2,705	239	2,297	210
N. Dak.	7,743	662	1,233	109	1,609	53	425	64	355	31	273	22
S. Dak.	8,338	679	1,149	121	1,513	45	420	64	420	27	345	22
Nebr.	17,034	1,587	2,564	295	3,218	118	725	155	808	74	956	73
Kans.	25,330	2,197	4,014	479	4,320	115	1,004	175	1,354	101	1,355	106
S. A.	217,838	20,595	55,723	4,721	32,659	1,331	13,557	2,399	14,171	1,298	11,426	1,052
Del.	4,300	486	893	95	685	29	173	48	335	31	244	26
Md.	24,856	2,084	6,476	664	5,003	242	1,010	306	1,591	136	1,050	111
D. C.	6,730	1,218	1,484	225	1,357	110	199	181	668	103	329	65
Va.	30,958	8,113	7,819	725	4,583	179	2,664	390	1,818	180	1,560	148
W. Va.	18,685	1,411	5,332	362	3,410	78	1,447	217	1,009	85	908	71
N. C.	38,054	3,215	10,583	692	4,132	136	2,906	395	2,331	197	2,123	177
S. C.	20,583	1,520	5,986	376	2,153	63	1,399	171	1,202	90	1,092	92
Ga.	32,392	2,954	9,378	676	8,618	140	2,224	354	1,914	171	1,671	142
Fla.	41,280	3,995	7,772	907	7,918	354	1,535	337	3,308	306	2,450	221
E. S. C.	100,605	8,340	29,221	1,982	13,061	434	8,697	1,002	5,757	507	4,859	397
Ky.	26,409	2,196	7,430	327	3,931	150	2,200	259	1,400	122	1,172	98
Tenn.	31,056	2,759	8,737	640	4,313	135	2,388	330	1,732	174	1,564	133
Ala.	26,154	2,108	8,102	526	2,886	96	2,321	265	1,574	133	1,324	108
Miss.	16,926	1,277	4,892	289	1,931	53	1,788	149	1,051	78	799	58
W. S. C.	162,207	14,809	37,517	3,314	27,548	869	8,524	1,658	8,935	872	7,927	687
Ark.	18,783	1,334	5,329	299	2,379	63	1,523	149	982	69	849	57
La.	26,844	2,338	7,989	494	5,000	174	1,637	206	1,505	159	1,205	126
Okla.	25,313	2,117	5,246	484	4,352	123	1,267	257	1,370	117	1,376	100
Tex.	91,267	9,021	18,953	2,038	15,837	509	4,097	976	5,078	526	4,497	405
Mt.	62,343	6,341	10,061	1,363	12,916	511	3,011	674	3,512	302	3,193	299
Mont.	8,226	779	1,294	155	2,073	81	367	67	439	36	319	31
Idaho....	7,098	671	1,120	140	1,472	48	369	73	368	27	361	30
Wyo.	3,965	384	534	79	798	36	206	34	234	16	202	15
Colo.	15,465	1,725	2,502	379	2,762	125	597	179	884	82	882	88
N. Mex.	8,481	733	1,522	160	1,634	58	564	82	438	36	368	32
Ariz.	9,721	983	1,659	230	2,159	79	459	106	549	48	560	53
Utah....	6,670	735	1,123	153	1,223	45	339	103	400	36	382	37
Nev.	2,717	330	307	66	795	40	110	30	200	21	119	14
Pac.	176,882	20,403	31,766	4,963	35,911	1,657	5,962	2,130	12,489	1,190	11,022	1,172
Wash.	26,738	2,849	5,815	658	5,143	209	993	346	1,494	132	1,493	132
Oreg.	19,064	1,924	3,586	464	3,782	137	771	215	1,002	86	938	85
Calif.	131,080	15,629	22,865	3,841	26,986	1,310	4,198	1,569	9,993	972	8,591	956

Source: Department of Commerce, Bureau of the Census; 1954 Census of Business, Retail Trade, Series PR-1-1.

SALES, BY KIND OF BUSINESS, BY STATES: 1954

text, p. 842]

AUTOMOTIVE GROUP		GASOLINE SERVICE STATIONS		LUMBER, BUILDING MATERIALS, HARDWARE, FARM EQUIPMENT DEALERS		DRUG STORES, PROPRIETARY STORES		OTHER RETAIL STORES		NONSTORE RETAILERS		DIVISION AND STATE
Establishments	Sales	Establishments	Sales	Establishments	Sales	Establishments	Sales	Establishments	Sales	Establishments	Sales	
Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	
85,879	29,810	181,734	10,780	100,472	13,068	55,990	5,244	226,824	15,887	78,498	4,496	U. S.
5,012	1,752	10,314	572	4,818	658	4,034	340	18,296	1,333	6,177	323	N. E.
635	164	1,212	61	541	52	359	26	1,492	136	491	16	Maine.
444	106	812	40	345	36	205	14	1,167	98	330	9	N. H.
203	73	534	25	297	26	133	8	744	65	170	4	Vt.
2,147	828	4,467	258	2,192	311	2,062	175	8,778	663	3,223	218	Mass.
388	139	956	46	395	52	355	31	1,666	99	627	26	R. I.
1,135	441	2,333	143	1,048	180	920	86	4,449	323	1,336	40	Conn.
12,911	5,134	27,711	1,600	15,229	1,916	11,654	911	51,545	3,601	19,994	1,179	M. A.
5,448	2,347	11,565	710	7,241	903	5,884	465	27,479	1,955	9,888	534	N. Y.
2,370	975	5,403	323	2,741	392	1,760	152	9,463	661	3,452	205	N. J.
5,093	1,812	10,743	566	5,247	621	4,010	294	14,603	985	6,654	411	Pa.
17,234	6,754	35,949	2,372	23,738	3,057	10,933	1,187	41,224	3,003	15,477	1,156	E. N. C.
4,610	1,747	8,750	617	5,661	760	2,791	292	10,240	766	4,369	172	Ohio.
2,533	872	5,188	321	3,283	432	1,409	147	5,410	391	1,413	85	Ind.
3,444	1,708	8,919	604	6,223	809	3,171	333	12,819	983	4,962	678	Ill.
3,510	1,686	8,170	569	4,861	656	2,394	313	7,389	484	2,906	155	Mich.
2,237	651	4,916	261	3,710	400	1,168	101	5,366	378	1,827	66	Wis.
10,375	2,944	21,736	1,134	18,778	2,074	6,004	508	22,005	1,591	7,809	433	W. N. C.
1,816	578	4,226	220	3,943	436	960	99	4,341	334	1,570	129	Minn.
1,988	547	4,492	222	4,315	477	1,093	83	4,212	378	1,932	44	Iowa.
2,087	794	5,534	301	3,085	377	1,823	164	5,941	426	2,374	212	Mo.
442	127	858	42	1,396	145	217	18	786	46	149	4	N. Dak.
540	135	1,040	49	1,268	130	269	20	1,051	62	323	5	S. Dak.
1,058	288	2,148	126	2,134	233	665	48	2,155	150	603	17	Nebr.
1,844	476	3,438	174	2,637	275	977	77	3,519	107	858	22	Kans.
11,472	3,773	26,167	1,440	9,272	1,390	7,008	690	27,343	2,045	9,030	457	S. A.
176	73	475	27	208	30	153	14	769	103	189	10	Del.
980	424	2,301	163	1,065	175	792	100	3,021	258	1,567	106	Md.
209	102	422	56	171	31	322	55	1,233	174	341	25	D. C.
1,683	575	4,039	232	1,321	196	843	103	3,622	344	1,206	42	Va.
058	253	2,242	98	740	82	439	38	1,685	106	515	20	W. Va.
2,195	609	5,176	245	1,660	255	1,020	95	4,488	331	1,440	81	N. C.
1,268	209	2,684	127	861	114	672	49	2,666	124	600	16	S. C.
1,927	574	4,113	222	1,373	203	1,171	97	3,857	274	1,146	102	Ga.
2,076	773	4,715	269	1,873	304	1,596	139	6,002	329	2,026	56	Fla.
5,666	1,689	10,804	594	5,050	637	3,378	254	10,839	703	3,273	141	E. S. C.
1,509	428	2,641	144	1,527	185	792	74	3,095	182	782	27	Ky.
1,782	556	3,388	201	1,488	205	1,060	77	3,464	226	1,550	82	Tenn.
1,413	433	2,938	145	1,123	137	898	63	2,614	180	901	22	Ala.
062	271	1,837	104	912	110	648	40	1,666	116	440	10	Miss.
10,456	3,091	20,041	1,058	9,936	1,297	5,862	479	19,427	1,197	6,034	286	W. S. C.
1,184	281	2,102	92	1,067	131	656	39	2,225	142	487	12	Ark.
1,141	440	2,544	162	1,254	189	937	80	2,681	158	951	59	La.
1,914	452	3,400	160	1,368	207	1,066	75	2,690	134	844	29	Okla.
0,217	1,918	11,995	644	5,747	770	3,263	285	11,531	703	3,752	186	Tex.
3,875	1,221	8,364	521	4,521	628	2,151	234	8,634	503	2,105	85	Mt.
490	133	934	56	849	106	240	21	988	69	233	5	Mont.
462	135	929	52	662	86	216	20	922	55	217	6	Idaho.
299	85	575	34	307	38	132	13	574	33	104	2	Wyo.
1,029	336	2,026	125	1,157	158	650	74	2,399	133	577	45	Colo.
501	145	1,253	68	448	60	264	28	1,245	59	264	6	N. Mex.
534	108	1,315	89	482	90	330	35	1,321	65	353	9	Ariz.
404	139	1,003	64	499	60	224	26	794	62	279	8	Utah.
156	58	349	33	117	21	95	17	391	27	78	4	Nev.
8,878	3,454	20,648	1,490	9,130	1,411	4,966	640	27,511	1,861	8,599	437	Pac.
1,475	447	3,355	105	1,743	224	862	95	3,647	332	1,218	81	Wash.
1,100	345	2,525	139	1,359	160	545	51	2,621	192	835	36	Oreg.
6,303	2,651	14,708	1,151	6,028	1,027	3,559	494	21,243	1,337	6,546	319	Calif.

No. 1068.—RETAIL STORES—SUMMARY, BY

KIND OF BUSINESS	NUMBER OF STORES			SALES, ENTIRE YEAR (\$1,000)		
	1929	1939	1948	1929	1939	1948
	1,476,365	1,770,355	1,769,540	48,329,652	42,041,790	130,520,548
1 United States, total						
2 Food group						
3 Grocery stores, without fresh meat	481,891	560,549	504,439	10,837,421	10,164,967	30,965,674
4 Grocery stores, with fresh meat	191,876	200,303	154,277	8,449,129	2,225,435	4,026,835
5 Meat markets	115,549	187,034	223,662	3,903,662	5,496,318	20,743,288
6 Fish (sea food) markets	43,788	35,630	24,242	1,253,260	700,243	1,641,697
7 Fruit stores, vegetable markets	6,077	6,720	5,223	83,698	50,554	133,872
8 Candy, nut, confectionery stores	22,904	27,666	15,763	308,379	222,230	398,968
9 Dairy products stores	63,265	48,015	32,870	571,849	295,300	649,347
10 Milk dealers	4,488	7,382	6,743	165,965	142,728	358,965
11 Bakery products stores ¹	12,013	16,985	20,152	201,093	168,027	725,021
12 Bakeries, without baking on premises	(2)	(2)	4,466	(2)	(2)	162,649
13 Bakeries, with baking on premises	(2)	(2)	16,656	(2)	(2)	562,372
14 Egg, poultry dealers	3,258	6,532	5,582	70,858	63,350	256,664
15 Delicatessen stores	11,166	9,909	8,212	194,820	132,365	308,777
16 Other food stores	3,517	4,911	2,723	74,012	71,125	194,243
17 Eating and drinking places	134,293	305,336	346,556	2,124,890	3,520,052	10,683,324
18 Restaurants, cafeterias, caterers ¹	96,950	99,068	131,190	1,802,913	1,764,854	5,303,094
19 Restaurants, cafeteria	96,950	99,068	130,192	1,802,913	1,764,854	5,236,920
20 Caterers	(1)	(1)	998	(1)	(1)	66,174
21 Lunch counters, refreshment stands	37,343	70,724	62,933	321,977	370,166	1,165,129
22 Drinking places		135,594	152,433		1,385,032	4,215,101
23 General stores	104,089	39,688	21,557	2,570,744	810,342	1,159,361
24 General merchandise group	54,636	50,267	52,544	6,444,101	5,665,007	15,975,357
25 Department stores	4,221	4,074	2,580	4,350,098	3,974,908	10,644,747
26 Dry goods, general merchandise stores						
27 Variety stores	38,305	29,247	29,754	1,189,856	713,208	2,823,869
12,110	16,946	20,210	904,147	976,801	2,506,741	
28 Apparel group	114,296	106,959	115,246	4,240,893	3,258,772	9,803,218
29 Men's, boys' clothing stores	17,435	15,577	14,775	936,947	664,511	1,609,902
30 Men's, boys' furnishings stores	10,762	5,924	8,955	255,776	108,801	556,051
31 Family clothing stores	10,551	10,058	12,533	552,353	429,454	1,791,317
32 Women's ready-to-wear stores	18,253	25,820	30,677	1,087,601	1,009,494	3,305,162
33 Millinery stores	12,433	10,799	5,725	161,807	118,586	108,556
34 Hosiery stores	1,943	2,293	1,858	54,830	35,307	71,911
35 Corset, lingerie stores	2,390	2,338	2,812	49,556	27,938	89,179
36 Apparel accessory, specialty stores	925	1,863	3,086	19,588	37,318	167,221
37 Men's shoe stores	1,402	2,472	2,246	61,507	78,770	190,331
38 Women's shoe stores	1,666	2,735	2,985	130,681	154,138	372,579
39 Family shoe stores	21,191	15,280	13,707	614,641	384,156	873,354
40 Children's, juveniles' shoe stores	(3)	(3)	613	(3)	(3)	22,043
41 Custom tailors	11,284	5,674	4,963	165,048	66,282	142,861
42 Furriers, fur shops	2,280	2,214	2,350	106,862	94,133	219,290
43 Children's, infants' wear stores	1,309	3,917	6,730	29,965	{	231,644
44 Other apparel stores	472	{	1,231	13,731	49,884	{ 42,817
45 Furniture, furnishings, appliance group	58,941	52,827	85,585	2,754,721	1,733,257	6,914,179
46 Furniture stores	25,854	19,902	29,031	1,578,632	973,157	3,427,188
47 Floor covering stores	1,503	1,986	4,568	73,428	58,618	358,953
48 Drapery, curtain, upholstery stores	973	930	3,178	18,735	15,843	141,403
49 China, glassware, metalware stores	1,066	778	1,626	35,128	21,821	116,916
50 Antique stores	2,099	3,324	4,963	60,273	17,743	53,062
51 Other home furnishing stores	2,080	4,994	5,288	37,592	112,702	273,318
52 Household appliance stores	9,329	18,002	29,700	380,061	484,698	2,159,302
53 Radio stores	16,037	2,911	7,231	561,772	48,675	384,057

See footnotes at end of table

KIND OF BUSINESS: 1929, 1939, AND 1948

PAYROLL ENTIRE YEAR (\$1,000)			NUMBER OF ACTIVE PROPRIETORS OF UNINCORPORATED BUSINESSES			NUMBER OF PAID EMPLOYEES, WORK-WEEK ENDED NEAREST NOV. 15			
						Total		Full workweek	
1929	1939	1948	1929	1939	Nov. 1948	1939	1948	1939	1948
5,044,128	4,529,499	13,567,997	1,434,704	1,613,673	1,742,046	4,821,806	6,918,061	3,870,195	5,608,398
767,207	760,762	1,943,967	468,301	516,976	509,721	814,746	1,005,897	614,930	753,503
183,439	110,603	145,388	171,991	178,182	152,086	131,543	89,043	92,166	60,126
254,264	354,140	1,112,827	113,286	173,700	228,406	421,491	597,213	307,225	432,736
84,898	50,984	89,645	45,248	35,886	26,222	49,599	40,205	38,524	31,859
7,500	4,246	8,509	6,571	6,968	5,673	5,516	5,345	3,971	4,061
20,583	15,993	24,249	25,106	28,282	17,380	20,282	14,893	14,606	10,667
45,724	20,144	56,686	67,596	45,777	31,276	43,745	22,545	29,805	8
13,583	17,802	38,135	3,879	4,111	5,468	18,160	20,579	14,552	14,967
101,027	140,078	263,071	4,063	9,207	4,699	81,106	82,101	78,582	78,880
31,061	21,735	140,719	11,782	14,284	20,906	28,933	82,509	21,409	66,167
(2)	(2)	22,489	(2)	(3)	2,876	(2)	14,078	(2)	10,515
(2)	(2)	118,230	(2)	(2)	18,030	(2)	68,491	(2)	55,652
3,320	3,514	11,460	3,513	6,545	5,910	5,468	7,683	3,218	4,983
10,609	6,911	15,252	12,184	9,895	9,245	8,442	9,349	6,815	6,924
11,109	14,462	38,026	3,082	4,040	2,450	12,813	13,172	11,317	12,328
396,075	565,585	1,940,907	148,948	306,219	372,044	830,063	1,337,186	701,188	1,080,090
348,700	364,451	1,160,538	109,837	101,276	143,016	514,912	828,046	478,816	688,954
348,700	364,451	1,153,934	109,837	101,276	142,071	514,912	815,924	478,816	683,094
(1)	(1)	15,604	(1)	(1)	945	(1)	12,122	(1)	5,860
47,375	41,445	172,952	39,111	68,726	64,451	62,970	139,818	47,475	102,849
	159,689	598,417		136,217	164,577	222,181	300,322	174,897	288,287
115,511	47,376	65,785	121,366	38,646	21,952	62,423	41,444	50,364	33,191
818,930	803,485	2,304,206	47,821	36,362	39,932	965,884	1,351,387	674,324	1,004,234
620,990	611,706	1,680,702	1,441	560	261	637,189	843,479	489,748	683,444
102,578	69,075	281,578	39,037	25,910	26,738	90,246	175,029	69,270	128,956
95,302	121,804	361,926	7,343	9,892	12,933	229,449	332,879	115,306	191,834
505,353	420,823	1,178,820	99,613	82,329	99,453	417,396	585,703	318,379	458,721
101,245	80,382	189,495	16,649	13,194	13,474	61,510	71,090	51,682	58,903
22,119	10,868	54,286	9,705	4,652	8,206	9,242	22,404	7,165	17,702
65,086	58,478	217,854	9,345	8,317	11,370	61,598	114,083	47,012	89,171
134,582	132,674	404,012	15,751	20,711	26,545	143,985	228,881	113,155	182,222
23,788	18,888	15,941	10,106	7,472	4,736	24,569	11,374	18,001	8,185
9,860	3,893	6,205	1,211	1,531	1,328	8,220	3,774	2,998	2,734
4,591	3,077	8,895	2,170	2,111	2,740	3,384	4,867	2,701	3,753
1,917	3,769	18,757	630	1,261	2,526	4,443	11,120	3,127	6,507
5,194	7,462	16,891	418	650	921		6,694		5,101
15,673	19,457	48,550	535	988	1,562		20,217		14,201
61,381	42,831	98,383	17,455	10,417	10,296	66,257	45,910	32,517	39
(3)	(3)	2,019	(3)	(3)	575		998		784
39,138	16,088	33,857	11,624	5,523	4,834	13,260	13,370	10,126	11,502
14,344	16,809	39,527	2,103	1,794	2,116	13,402	14,978	11,939	13,781
2,298	{ 6,147	{ 19,308	1,342	{ 560	{ 3,758	{ 7,062	{ 7,526	{ 13,160	{ 9,524
4,167	{ 4,780	{ 2,876		{ 1,622	{ 1,162	{ 2,693	{ 2,693	{ 5,874	{ 2,134
404,095	280,545	935,625	51,962	42,491	79,975	220,950	376,311	194,796	344,375
208,240	146,311	441,908	26,043	17,361	27,162	103,246	163,389	101,271	152,267
10,281	9,311	55,745	1,475	1,826	4,659	6,422	19,348	5,640	17,854
2,993	2,054	22,470	975	859	3,263	2,119	10,350	1,759	9,029
5,435	3,655	21,191	925	582	1,522	3,046	13,793	2,740	13,039
6,711	2,178	4,013	2,177	3,321	5,324	1,648	2,004	1,373	1,539
9,204	26,011	79,046	1,960	4,492	5,213	23,868	34,852	21,532	32,727
81,145	83,807	277,397	2,876	11,309	25,427	69,818	118,176	55,197	105,427
79,996	7,128	33,286	15,531	2,741	7,305	5,783	14,399	5,284	12,493

No. 1068.—RETAIL STORES—SUMMARY, BY KIND

KIND OF BUSINESS	NUMBER OF STORES			SALES, ENTIRE YEAR (\$1,000)		
	1929	1939	1948	1929	1939	1948
1 Automotive group.....	68,245	60,132	86,162	7,031,177	5,548,687	20,104,054
2 Motor vehicle (new and used) dealers.....	42,204	33,609	43,999	6,266,580	4,810,245	15,952,781
3 Motor vehicle (used) dealers.....	3,097	6,980	16,874	140,932	193,790	2,441,377
4 Tire, battery, accessory dealers.....	22,313	18,525	20,628	599,295	523,685	1,359,596
5 Motorcycle dealers.....	208	513	1,224	8,035	8,619	53,856
6 Aircraft dealers.....	114	51	204	5,594	2,358	30,126
7 Boat dealers.....	219	454	1,037	10,741	9,990	66,265
8 Other automotive dealers.....	(2)	(2)	2,196	(2)	(2)	200,053
9 Gasoline service stations.....	121,513	241,858	188,253	1,787,423	2,822,405	6,483,301
10 Lumber, building, hardware group.....	90,386	79,313	98,938	3,845,624	2,734,914	11,151,470
11 Lumber yards.....	20,621	20,803	{ 5,307	{ 1,981,284	{ 1,196,817	{ 4,286,350
12 Building materials dealers.....	26,377	4,446	281,642	840,700		
13 Paint, glass, wallpaper stores.....	8,870	8,480	9,843	195,372	152,673	459,993
14 Heating and plumbing equipment dealers.....	12,709	4,262	7,608	334,277	102,404	555,679
15 Electrical supply stores.....	4,858	1,858	3,088	110,131	27,669	128,907
16 Hardware stores.....	25,330	29,147	34,674	706,053	620,276	2,493,669
17 Farm equipment dealers.....	12,242	10,499	17,615	518,507	344,433	2,386,172
18 Drug and proprietary stores.....	58,258	57,903	55,796	1,690,399	1,562,502	4,013,231
19 Drug stores, with fountain.....	34,844	30,452	{ 33,429	{ 1,149,260	{ 1,205,241	{ 2,707,225
20 Proprietary stores, with fountain.....			{ 6,205			{ 249,185
21 Drug stores, other.....	23,414	18,451	{ 13,526	{ 541,139	{ 357,261	{ 881,238
22 Proprietary stores, other.....			{ 2,546			{ 55,583
23 Liquor stores.....		19,136	33,422		586,351	2,579,507
24 Second-hand stores.....	15,065	23,962	16,969	148,068	138,007	304,654
25 Furniture stores.....	5,643	7,875	6,491	37,749	31,463	74,317
26 Tire, battery, accessory dealers.....	2,820	6,403	2,365	25,843	39,863	64,952
27 Clothing, shoe stores.....	2,606	3,558	3,731	12,042	9,766	38,067
28 Book stores.....	175	588	374	2,372	4,050	5,693
29 Pawn shops.....	1,509	1,373	1,374	35,537	22,868	53,718
30 Other second-hand stores.....	2,312	4,165	2,634	34,525	29,997	67,907
31 Other retail stores.....	174,752	172,375	164,073	4,854,191	3,496,437	10,383,218
32 Fuel dealers, except fuel oil.....	15,444	14,953	929,829	{ 887,617	{ 1,607,658	
33 Ice dealers.....	3,674	3,192	83,540		84,620	
34 Fuel oil dealers.....	(2)	2,843	4,525	(2)	125,925	732,119
35 Hay, grain feed stores.....	21,304	16,772	18,213	990,743	623,977	2,790,333
36 Other farm, garden supply stores.....	5,740	4,915	3,845	128,422	155,312	356,526
37 Jewelry stores.....	19,998	14,559	21,269	536,281	361,595	1,224,878
38 Book stores.....	2,809	2,845	2,905	117,021	73,842	257,682
39 Stationery stores ¹	4,047	5,036	4,033	155,113	118,184	281,442
40 Sporting goods stores.....	1,930	2,605	6,859	65,465	56,914	309,632
41 Bicycle stores.....	1,134	941	1,738	12,210	6,837	35,229
42 Florists.....	9,328	16,055	14,749	176,201	148,741	377,250
43 Cigar stores and stands.....	33,248	18,604	14,526	410,063	207,781	535,255
44 News dealers, newsstands.....	10,285	7,407	6,801	149,866	72,427	216,866
45 Gift, novelty, souvenir stores.....	5,186	7,429	12,516	61,502	53,568	195,664
46 Music stores.....	2,232	2,930	6,120	54,742	65,127	337,338
47 Luggage, leather goods stores.....	1,367	759	1,188	40,312	19,345	68,828
48 Optical goods stores.....	3,001	5,995	1,897	50,000	60,567	73,921
49 Camera, photographic supply stores.....	710	1,112	3,030	28,810	32,343	202,099
50 Office, store machine and equipment dealers.....	3,498	3,600	2,347	262,199	149,216	109,507
51 All other retail stores.....	29,727	19,739	10,867	601,872	277,119	576,371

¹ Data for "Caterers" for 1929 and 1939 included with "Bakery products stores."² Not available.³ Not separately classified in 1929 and 1939.⁴ Comprises data for two 1939 classifications "Stationery stores" and "Office, store, school supply dealers."

OF BUSINESS: 1929, 1939, AND 1948—Continued

PAYROLL, ENTIRE YEAR (\$1,000)			NUMBER OF ACTIVE PROPRIETORS OF UNINCORPORATED BUSINESSES			NUMBER OF PAID EMPLOYEES, WORK-WEEK ENDED NEAREST NOV. 15			
						Total		Full workweek	
1929	1939	1948	1929	1939	Nov. 1948	1939	1948	1939	1948
628,317	507,947	1,866,376	64,948	51,238	77,647	400,166	633,553	386,240	604,524
537,205	420,588	1,584,430	40,425	29,069	37,290	324,688	519,378	316,323	503,014
11,805	14,177	90,401	3,036	6,808	17,782	13,744	32,059	12,215	29,155
76,104	70,665	165,647	20,961	14,424	18,018	59,800	72,366	55,962	63,774
988	1,023	4,548	292	504	1,235	2,082	1,634	1,740	1,808
1,344	375	4,726	26	22	117	1,934	2,211	1,517	1,911
871	1,119	6,126	208	411	956	2,249	3,823	(2)	3,345
(2)	10,498	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
150,212	198,934	488,350	100,746	231,475	196,532	246,600	285,954	204,978	226,058
468,362	312,180	1,182,354	85,579	65,755	91,213	257,641	475,413	223,020	428,650
222,855	{ 143,269	469,947	{ 17,056	{ 10,615	{ 11,693	{ 112,888	{ 170,254	{ 96,363	{ 155,459
	34,002	111,629				4,642	26,089	41,183	21,805
33,268	19,495	66,054	8,570	6,781	8,853	15,465	23,611	13,613	21,044
80,323	18,924	115,964	12,959	3,644	7,741	16,258	44,094	13,459	30,443
23,539	4,938	18,170	4,895	1,708	3,301	4,043	7,940	3,401	6,902
73,272	63,679	244,093	27,692	28,709	36,017	57,998	113,165	52,008	98,311
35,105	27,853	176,497	14,407	10,911	18,966	24,920	75,216	22,281	70,156
195,742	172,733	468,485	57,415	49,673	51,825	192,296	282,891	158,240	211,988
136,915	137,904	{ 343,709	{ 23,331	{ 33,034	{ 33,257	{ 30,552	{ 214,191	{ 158,674	{ 160,276
						6,244	19,244	131,073	13,536
58,827	34,739	{ 94,930	{ 6,515	{ 24,381	{ 16,416	{ 12,675	{ 45,043	{ 4,413	{ 34,916
						3,354	33,622	27,167	3,260
	30,782	116,303	-----	13,670	29,637	27,065	52,404	23,901	43,939
20,163	20,758	39,557	16,099	24,014	17,265	24,132	20,652	19,448	17,266
3,050	3,061	5,551	6,042	7,882	6,720	4,285	3,843	3,238	2,942
4,685	6,888	8,804	3,145	6,814	2,593	8,616	4,349	7,326	3,752
1,109	922	4,240	2,697	3,430	3,480	1,836	3,391	1,265	2,717
320	488	617	172	578	383	449	300	373	225
4,331	4,357	8,736	1,599	1,252	1,453	3,080	3,237	2,802	2,890
5,759	5,042	11,609	2,444	4,058	2,627	5,866	5,532	4,444	4,740
565,161	407,609	1,037,262	171,906	154,825	154,950	362,444	469,266	300,387	401,859
101,158	109,910	{ 176,130	{ 14,787	{ 34,784	{ 12,674	{ 102,037	{ 73,682	{ 79,400	{ 64,063
20,189		{ 19,203	{ 2,942		2,798	9,847	9,128	7,569	32
(2)		13,873	69,088	(2)	2,426	15,363	25,040	8,620	23,289
45,745	33,949	129,412	22,523	13,953	3,893	36,368	60,011	30,605	54,300
15,294	13,447	27,077	5,818	4,074	3,001	13,104	12,381	10,288	10,902
69,500	53,965	178,306	19,982	13,077	20,424	37,609	68,898	34,245	62,054
18,283	13,932	47,504	2,451	2,156	2,359	13,038	23,866	11,050	20,880
26,817	19,003	46,650	3,671	4,441	3,802	15,257	20,088	13,601	17,603
7,086	6,653	28,766	1,917	2,393	7,173	5,348	12,603	4,756	10,765
1,332	630	2,733	1,203	937	1,813	796	1,536	632	1,229
30,760	22,641	53,497	10,015	16,074	15,840	22,561	30,619	18,898	23,292
34,235	14,085	32,689	33,982	16,748	14,098	14,449	16,560	11,739	13,505
14,890	6,335	17,632	8,608	6,088	5,914	11,725	15,886	6,624	9,178
6,653	5,548	17,005	5,445	7,227	13,109	6,438	13,829	4,836	9,340
8,015	11,049	45,380	1,943	2,534	5,864	8,566	19,249	7,682	16,941
4,556	2,601	8,406	1,255	606	1,176	2,012	3,721	1,809	3,264
10,132	11,919	18,886	2,687	5,412	1,431	7,844	6,287	7,054	5,957
4,251	4,086	22,231	633	982	2,876	8,300	9,594	3,069	8,463
55,086	29,049	17,085	1,730	2,850	2,382	20,398	7,652	19,395	6,854
87,239	34,934	79,573	30,294	18,113	18,961	31,747	38,526	26,024	32,410

Source: Department of Commerce, Bureau of the Census; U. S. Census of Business: 1948, Vol. III.

No. 1069.—RETAIL STORES—SUMMARY,

DIVISION AND STATE	NUMBER OF STORES			SALES, ENTIRE YEAR (\$1,000)			ACTIVE PROPRIETORS ¹ (number)	
	1929	1939	1948	1929	1939	1948	1939	Nov. 1948
	1,476,365	1,770,355	1,769,540	48,329,652	42,041,790	130,520,548	1,613,673	1,742,046
United States	104,618	121,888	115,219	3,732,087	3,318,214	8,557,443	101,716	99,626
New England	10,453	13,455	11,843	300,010	281,356	755,651	11,821	10,782
Maine	6,181	7,435	7,541	180,248	183,100	470,742	6,600	6,938
New Hampshire	4,831	5,423	5,075	148,281	123,369	337,804	4,942	4,567
Vermont	52,661	59,217	53,902	2,031,839	1,737,680	4,302,147	47,538	42,608
Massachusetts	9,155	10,485	10,371	313,978	275,447	716,064	9,100	9,687
Rhode Island	21,337	25,873	26,487	757,731	717,262	1,975,035	21,715	25,044
Connecticut								
Middle Atlantic	372,026	412,819	395,288	12,527,976	10,291,937	28,175,162	376,068	389,727
New York	183,615	209,425	196,282	8,968,931	5,578,159	14,626,526	191,259	190,977
New Jersey	57,780	68,851	69,090	1,811,257	1,580,401	4,479,205	59,277	67,487
Pennsylvania	130,631	134,543	129,896	3,747,788	3,133,377	9,069,431	126,532	131,263
East North Central	304,986	364,508	350,319	11,113,186	9,251,114	28,901,766	332,029	351,815
Ohio	80,155	93,041	86,971	2,829,354	2,441,293	7,373,173	82,712	83,610
Indiana	39,402	47,317	44,754	1,200,458	1,066,383	3,532,337	44,003	45,309
Illinois	93,432	109,132	103,405	3,658,580	2,857,646	8,805,257	100,090	105,363
Michigan	53,982	67,414	68,689	2,202,405	1,820,798	5,950,278	61,129	71,579
Wisconsin	38,045	47,604	46,500	1,222,409	1,064,994	3,240,721	44,086	45,954
West North Central	161,393	197,909	179,246	5,178,845	4,138,883	13,268,206	185,927	179,339
Minnesota	29,206	40,448	35,241	1,036,012	1,017,195	2,906,062	33,932	34,905
Iowa	30,933	39,024	33,725	956,008	822,905	2,556,224	37,111	34,412
Missouri	44,586	53,196	50,616	1,422,449	1,102,503	3,568,337	49,328	50,014
North Dakota	7,611	8,549	8,201	230,602	156,137	608,182	7,818	8,279
South Dakota	8,330	9,817	9,983	249,935	169,396	622,192	8,954	8,616
Nebraska	16,682	19,330	16,873	553,611	397,196	1,317,813	18,004	17,135
Kansas	24,045	27,545	25,597	730,228	473,551	1,680,396	25,780	25,918
South Atlantic	162,295	199,371	222,848	4,138,337	4,368,947	14,772,800	174,561	211,034
Delaware	3,527	4,544	4,433	101,861	110,052	382,305	4,001	4,155
Maryland	20,371	25,566	25,037	610,967	619,273	1,914,689	23,774	25,240
District of Columbia	5,815	6,893	7,004	332,393	402,768	1,111,643	5,498	6,437
Virginia	25,036	29,610	32,124	591,768	628,172	2,227,407	25,389	30,073
West Virginia	16,501	18,928	21,265	441,072	403,989	1,287,983	16,202	19,527
North Carolina	27,660	33,826	40,880	642,550	633,240	2,248,660	29,890	38,994
South Carolina	14,452	18,520	20,970	296,674	332,224	1,148,179	15,759	19,190
Georgia	27,640	32,870	35,655	627,171	624,765	2,111,539	28,797	33,362
Florida	21,293	28,614	35,390	493,886	614,464	2,340,395	25,251	34,056
East South Central	85,315	101,055	112,879	2,137,499	1,845,037	6,417,719	93,025	111,053
Kentucky	25,927	30,919	29,890	577,929	520,135	1,682,057	28,970	29,986
Tennessee	22,368	28,198	32,692	632,612	606,489	2,088,439	25,980	32,390
Alabama	20,456	23,916	28,756	618,972	485,973	1,638,859	21,715	27,976
Mississippi	16,564	18,032	21,541	407,986	282,440	1,008,334	16,360	20,701
West South Central	128,542	159,768	169,520	3,654,572	3,101,358	10,923,488	148,785	165,469
Arkansas	17,167	20,328	22,243	406,206	298,301	1,083,262	19,071	22,517
Louisiana	22,559	25,469	29,879	469,755	486,250	1,681,334	22,845	28,312
Oklahoma	25,984	28,722	26,924	781,121	513,091	1,640,015	27,221	27,046
Texas	62,832	85,249	90,674	1,997,490	1,803,716	6,518,877	79,648	87,594
Mountain	42,022	57,459	59,861	1,515,313	1,427,541	4,665,554	53,112	60,561
Montana	6,521	8,481	8,108	238,293	222,008	602,623	7,867	8,304
Idaho	4,624	6,804	7,323	165,352	175,873	581,844	6,223	7,128
Wyoming	2,537	4,113	3,869	101,457	100,233	309,199	3,863	4,037
Colorado	13,139	16,785	15,426	457,413	409,103	1,257,095	15,770	16,010
New Mexico	3,941	6,617	7,842	116,833	125,765	477,553	6,139	7,934
Arizona	4,766	6,242	8,043	193,818	162,003	657,557	5,726	7,984
Utah	4,964	6,372	6,840	193,286	170,728	578,767	5,520	6,682
Nevada	1,230	2,045	2,410	48,861	61,828	200,916	2,004	2,482
Pacific	115,168	155,568	164,380	4,331,837	4,298,759	14,838,410	148,450	173,422
Washington	20,836	26,682	25,731	745,891	668,790	2,221,306	24,798	25,819
Oregon	13,644	16,468	17,538	443,303	442,160	1,597,300	15,757	19,678
California	80,788	112,428	121,111	3,142,643	3,187,809	11,019,804	107,895	127,925

¹ Of unincorporated businesses.

BY STATES: 1929, 1939, AND 1948

UNPAID FAMILY WORKERS, ¹ (number)		PAID EMPLOYEES, WORKWEEK ENDED NEAREST NOV. 15				PAYROLL, ENTIRE YEAR (\$1,000)			DIVISION AND STATE
		Total (number)		Full workweek (number)					
1939	Nov. 1948	1939	1948	1939	1948	1929	1939	1948	
923,878	930,546	4,821,806	6,918,061	3,870,195	5,608,398	5,044,128	4,529,499	13,567,997	U. S.
46,589	46,086	372,799	474,335	296,923	375,391	411,822	377,957	921,493	N. E. Maine. N. H. Vt. Mass. R. I. Conn.
5,507	5,506	28,093	38,025	22,945	30,626	26,895	26,079	66,500	
3,007	3,514	18,193	24,178	14,851	19,128	16,215	17,322	43,575	
2,259	2,002	12,174	16,065	9,854	13,070	12,210	10,707	28,516	
20,632	19,600	210,116	258,057	164,550	202,902	230,208	212,968	498,926	
4,318	4,777	31,174	39,448	24,322	31,283	33,203	30,978	73,398	
10,806	10,537	73,044	98,562	60,401	78,582	85,003	79,905	210,578	
224,795	196,084	1,113,886	1,475,414	917,991	1,206,371	1,362,975	1,170,430	3,064,036	M. A. N. Y. N. J. Pa.
106,507	85,998	587,180	752,941	495,744	624,585	773,333	660,083	1,664,257	
37,306	35,123	188,377	208,758	128,421	169,359	187,635	171,619	453,177	
80,922	74,763	308,329	513,715	293,826	412,427	402,007	338,718	946,602	
192,209	181,351	1,085,873	1,549,997	854,247	1,201,486	1,217,620	1,028,315	3,098,088	E. N. C. Ohio. Ind. Ill. Mich. Wis.
49,139	44,541	282,963	406,655	224,852	321,980	310,955	271,073	807,165	
23,043	21,754	129,757	192,403	101,990	151,153	122,122	110,895	360,752	
54,853	53,046	353,486	474,493	278,844	365,087	428,553	339,072	979,688	
36,708	34,470	208,645	305,580	165,837	239,842	237,340	204,026	640,904	
27,866	27,540	111,028	170,866	82,724	122,824	118,650	103,249	309,579	
99,675	91,444	479,424	690,177	376,166	547,978	482,899	401,238	1,246,506	W. N. C. Minn. Iowa. Mo.
20,372	17,573	109,539	154,414	86,635	119,011	101,246	104,204	291,912	
16,958	16,266	92,137	126,954	70,383	99,781	83,502	72,514	224,524	
28,315	27,013	139,851	200,211	112,055	162,891	148,283	119,237	365,886	
4,307	3,993	16,025	27,290	12,675	21,718	17,487	12,960	48,946	N. Dak. S. Dak.
4,870	5,066	17,798	29,520	18,849	22,782	19,822	13,592	49,604	
10,658	8,112	45,818	64,595	35,623	51,418	45,188	36,221	113,462	Nebr.
14,195	13,421	88,256	87,193	44,946	70,377	64,371	42,510	151,872	Kans.
104,071	125,676	551,696	839,638	443,203	699,241	407,206	447,647	1,478,717	S. A. Del. Md.
2,460	2,274	11,499	16,572	9,367	14,102	9,551	11,168	33,990	D. O.
14,069	13,208	75,468	109,791	61,227	91,306	62,764	66,079	203,680	Va.
2,838	2,461	50,838	69,943	43,365	59,246	43,306	56,007	148,875	W. Va.
14,687	16,842	79,147	124,313	64,443	103,830	59,659	63,867	214,005	N. C.
10,694	13,610	44,942	68,265	36,075	57,414	40,968	38,263	118,075	Ala.
16,464	24,698	85,147	131,948	63,691	105,361	56,123	60,052	212,626	Miss.
9,203	12,149	43,997	64,523	33,113	50,490	25,316	29,068	98,596	
17,124	20,010	83,346	122,818	67,229	102,308	58,792	58,874	202,198	S. G.
16,532	20,364	77,312	131,465	64,693	115,184	50,727	64,244	246,582	Ga.
61,448	74,093	224,191	352,941	179,940	290,426	187,323	162,575	558,992	E. S. C.
20,082	19,409	57,636	86,988	46,042	70,903	51,667	46,000	147,953	Ky.
15,841	20,212	76,897	118,800	61,765	98,961	59,144	55,924	190,591	Tenn.
14,436	19,484	54,774	91,842	44,551	75,198	46,701	37,826	139,586	Ala.
10,189	14,988	34,884	55,311	27,582	45,364	29,721	22,735	80,862	Miss.
92,331	107,669	387,347	589,937	319,812	501,060	336,029	293,418	1,011,096	W. S. C.
12,268	14,879	35,560	54,451	28,016	45,516	31,986	23,775	85,176	Ark.
15,887	19,975	66,893	97,939	58,223	85,630	47,698	49,000	162,387	La.
18,079	16,683	62,774	88,224	50,302	73,234	71,881	48,953	151,803	Okla.
49,097	56,132	222,120	349,323	183,271	296,680	184,414	171,680	611,730	Tex.
29,740	33,261	151,609	234,378	121,808	192,425	150,639	145,205	468,530	Mt.
3,542	3,837	20,714	28,696	16,530	23,282	22,498	21,505	57,059	Mont.
3,763	3,951	17,499	26,087	13,668	21,657	14,889	16,189	54,487	Idaho.
1,906	2,164	9,019	14,200	7,397	11,823	9,429	9,346	28,965	Wyo.
8,240	7,862	46,616	67,415	38,314	54,979	49,100	43,503	130,759	Colo.
4,388	5,709	13,813	24,293	11,341	20,693	9,935	11,596	43,338	N. Mex.
3,744	5,431	17,524	32,059	14,144	27,766	18,938	17,119	70,152	Ariz.
3,136	3,570	20,397	31,874	15,672	24,467	20,958	18,743	61,199	Utah.
1,021	1,187	6,027	9,154	4,742	7,758	4,897	7,204	22,571	Nev.
73,020	74,882	454,975	711,244	360,105	594,020	487,615	502,714	1,720,539	Pac.
12,199	12,810	69,771	105,688	52,614	84,833	80,639	75,405	247,652	Wash.
8,192	8,201	43,909	71,341	34,285	60,637	46,167	44,154	156,755	Orng.
52,629	53,871	341,295	534,215	273,196	448,550	360,809	383,155	1,316,132	Calif.

Source: Department of Commerce, Bureau of the Census; U. S. Census of Business: 1948, Vol. III.

No. 1070.—RETAIL TRADE—MERCHANTISE INVENTORIES AND SALES-VENTORY RATIOS, BY KIND OF BUSINESS: 1952 AND 1953

[Inventories in millions of dollars. As of December 31. Based on sample; see source for sampling variability.]

KIND OF BUSINESS	MERCHANTISE INVENTORIES AT COST						SALES-VENTORY RATIOS ¹			
	All retail stores		Organizations operating 11 or more retail stores				All retail stores	Stores of organizations operating 11 or more stores ²		
			Retail stores		Warehouses					
	1952	1953	1952	1953	1952	1953	1952	1953	1952	1953
Total	18,845.8	19,295.2	2,543.9	2,515.1	848.9	851.7	9.4	9.0	11.8	12.5
Food group										
Grocery stores	1,924.4	1,994.3	395.5	411.3	370.6	381.7	21.4	21.1	31.0	33.3
Eating and drinking places	1,740.7	1,811.8	375.3	390.4	343.7	360.9	19.0	19.7	31.2	32.5
General merchandise group	433.1	414.1	8.2	8.7	8.6	8.6	29.4	30.4	83.5	80.9
Department stores, including mail order	3,037.7	3,028.4	1,185.7	1,118.6	180.2	173.2	6.5	6.6	7.4	7.9
Mail order (catalog sales)	1,616.9	1,546.6	716.1	660.6	108.2	109.9	7.1	7.6	7.3	8.0
Variety stores	220.4	195.7	220.4	195.7	—	—	6.3	6.4	6.3	6.4
Other general merchandise stores	521.3	536.8	311.4	311.4	35.5	31.9	6.3	6.1	7.5	7.6
Dry goods and general merchandise stores	899.5	940.0	158.1	146.6	36.5	31.4	5.2	5.2	7.7	8.6
Apparel group	641.5	672.8	144.2	132.7	32.5	27.6	5.1	5.1	7.8	8.7
Men's and boys' clothing and furnishings stores	2,195.1	2,288.0	282.0	292.6	45.1	49.4	4.7	4.6	6.9	7.0
Women's ready-to-wear stores	630.7	642.6	35.3	37.1	9.0	10.6	3.6	3.3	5.2	4.9
Family clothing stores	541.6	583.7	68.2	65.5	7.2	8.8	7.0	6.8	11.1	11.5
Shoe stores	382.7	384.2	(3)	76.2	(3)	7.3	4.5	4.2	5.2	5.0
Furniture and appliance group	1,787.0	1,778.2	102.0	103.9	37.8	39.3	5.5	5.5	7.0	7.1
Furniture, home furnishings stores	1,168.2	1,175.2	(3)	29.8	(3)	24.0	4.9	4.9	10.9	11.2
Furniture stores	929.4	918.9	(3)	27.8	(3)	7.8	4.7	4.7	6.5	6.7
Household appliance, radio stores	618.8	603.0	73.2	74.1	13.8	15.3	6.6	6.5	5.3	5.4
Household appliance dealers	468.0	444.4	(3)	70.0	(3)	14.1	6.2	6.9	5.0	5.1
Lumber, building, hardware group	3,062.4	3,013.9	223.4	221.8	20.6	21.2	4.7	4.5	5.0	5.2
Building materials dealers, plumbing, electrical stores	1,375.3	1,337.7	166.6	161.4	16.6	16.9	5.6	5.6	4.3	4.3
Lumber yards, building materials dealers	1,126.7	1,078.6	(3)	138.6	(3)	2.0	5.6	5.4	3.7	3.7
Hardware stores	750.1	749.1	51.3	49.7	4.1	4.3	3.7	3.6	7.3	7.7
Farm equipment dealers	(4)	927.0	(4)	10.6	—	—	4.1	3.5	3.2	3.2
Automotive group	2,805.1	3,030.8	(6)	(6)	9.6	10.1	9.8	10.2	7.6	7.6
Motor vehicle and other automotive dealers	2,537.6	2,770.2	(6)	(6)	—	—	10.3	10.6	(6)	(6)
Motor vehicle dealers	2,462.0	2,683.9	(6)	(6)	—	—	10.4	10.8	(6)	(6)
Tire, battery, accessory dealers	267.6	266.7	97.4	109.0	9.6	10.1	6.1	6.1	6.6	6.2
Gasoline service stations	514.8	521.8	(6)	12.3	(6)	6.1	19.1	20.4	41.9	44.4
Other retail stores	3,086.2	3,224.7	(6)	(6)	170.6	162.0	7.4	7.2	12.2	12.2
Drug and proprietary stores	782.9	810.5	79.4	84.2	43.8	44.3	6.4	6.4	9.4	9.1
Drug stores	738.1	771.5	(6)	(6)	(6)	(6)	(4)	(6)	9.4	9.1
Liquor stores	425.2	458.1	73.1	73.8	72.1	69.0	8.2	8.1	11.8	12.1
Jewelry stores	479.5	502.3	(3)	17.5	(3)	2.6	3.0	2.6	4.5	4.3
Feed, farm, and garden supply stores	(4)	429.0	(4)	33.8	(4)	23.0	12.1	12.6	16.7	17.3
Cigar stores	(4)	34.3	(4)	4.7	(4)	1.3	11.8	13.4	13.3	14.1

¹ Ratio of annual sales to year-end inventories of retail stores which were in business the full calendar year.

² Based on store inventories only (warehouse inventories are excluded).

³ Not shown because of high sampling variability.

⁴ Not available.

⁵ Withheld to avoid possible disclosure of individual operations.

Source: Department of Commerce, Bureau of the Census; *Annual Retail Trade Report—1953*

No. 1071.—RETAIL SALES OF CHAIN STORES AND MAIL-ORDER HOUSES, BY KIND OF BUSINESS: 1929 TO 1955

[In millions of dollars. New series based on sales of organizations which in 1948 operated 11 or more retail stores in same kind of business; data for prior years represented sales of organizations with 4 or more retail stores. See *Survey of Current Business*, September 1952.]

KIND OF BUSINESS	1929	1935	1939	1945	1948	1950	1951	NEW SERIES		
								1951	1954	1955
Total sales.....	10,412	8,040	9,570	17,280	29,737	31,232	34,000	28,536	31,690	33,918
Durable goods stores.....	1,683	813	1,024	1,627	3,407	3,863	3,825	2,521	2,582	2,790
Automobile group.....										
Motor vehicle, other automotive dealers.....	746	355	372	391	741	959	904	(1)	(1)	(1)
Tire, battery, accessory dealers.....	624	168	136	96	287	408	389	(1)	(1)	(1)
Furniture and appliance group.....	122	187	236	295	454	551	575	568	609	700
Furniture, home furnishings stores.....	392	162	239	389	1,027	1,214	1,141	679	724	714
Household appliance, radio stores.....	235	97	151	277	562	592	589	287	346	347
Jewelry stores.....	157	65	88	112	465	629	572	392	378	366
Lumber, building, hardware group.....	36	22	38	108	134	129	138	(1)	(1)	(1)
Lumber, building materials dealers.....	509	274	375	739	1,505	1,561	1,582	1,208	1,178	1,300
Nondurable goods stores.....	488	256	350	505	1,107	1,147	1,147	798	750	838
Apparel group.....	8,729	7,227	8,546	15,655	26,330	27,369	30,175	26,015	29,108	31,128
Men's and boys' wear stores.....	1,197	758	992	2,090	2,720	2,588	2,703	2,009	2,041	2,166
Women's apparel, accessory stores.....	271	141	173	272	366	338	342	215	187	186
Family and other apparel stores.....	413	260	394	968	1,117	1,042	1,137	786	794	852
Shoe stores.....	144	78	80	320	648	512	539	356	385	404
Drug and proprietary stores.....	369	279	345	521	698	696	745	652	675	724
Eating and drinking places.....	312	317	400	704	889	852	905	722	760	785
Food group.....	299	248	304	503	742	724	779	590	662	707
Grocery stores.....	3,475	2,916	3,340	5,614	10,493	11,344	12,921	11,705	14,344	15,247
Gasoline service stations.....	2,833	2,468	2,833	4,705	9,319	10,140	11,569	10,718	13,357	14,222
General merchandise group.....	605	428	288	271	470	545	609	478	538	561
Department stores, excluding mail order.....	2,275	2,124	2,668	4,925	8,930	9,300	9,950	8,575	8,862	9,726
Mail order (catalog sales).....	447	386	464	608	1,301	1,238	1,284	1,220	1,130	1,233
Variety stores.....	815	801	952	1,559	2,077	2,143	2,326	2,233	2,357	2,508
Other general merchandise stores.....	39	51	128	179	179	179	191	1,302	1,288	1,410
Other retail stores.....	566	411	529	1,456	2,097	2,013	2,248	1,936	1,901	1,936

¹ Not available.

Source: Department of Commerce, Office of Business Economics and Bureau of the Census; published currently in *Survey of Current Business*.

No. 1072.—SALES OF CHAIN STORES AND MAIL-ORDER HOUSES, BY SELECTED KIND OF BUSINESS, AND BY MONTHS: 1954 AND 1955

[In millions of dollars. See headnote, table 1071. Monthly figures are seasonally adjusted; they do not necessarily add to annual totals shown]

MONTH	TOTAL ¹		APPAREL STORES		DRUG AND PROPRIETARY STORES		FOOD STORES		GENERAL MERCHANDISE GROUP		LUMBER, BUILDING MATERIALS DEALERS	
	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955	1954	1955
	Total.....	31,690	33,918	2,041	2,166	760	785	14,344	15,217	8,862	9,726	750
January.....	2,543	2,754	164	181	62	63	1,157	1,210	693	812	56	66
February.....	2,585	2,717	167	169	62	63	1,166	1,248	715	758	61	70
March.....	2,584	2,778	167	178	61	63	1,170	1,250	718	802	61	70
April.....	2,613	2,774	175	175	64	66	1,171	1,253	736	795	60	69
May.....	2,595	2,825	160	181	63	64	1,204	1,278	702	800	62	73
June.....	2,619	2,784	167	172	63	64	1,177	1,272	740	780	62	70
July.....	2,652	2,809	164	179	64	66	1,207	1,245	730	814	63	71
August.....	2,655	2,836	166	177	63	64	1,203	1,278	748	819	63	71
September.....	2,654	2,875	168	181	64	66	1,206	1,287	745	839	64	69
October.....	2,607	2,820	168	182	63	65	1,191	1,269	722	800	61	68
November.....	2,660	2,898	177	189	63	66	1,199	1,297	745	833	67	69
December.....	2,798	2,916	183	185	66	70	1,240	1,328	820	820	70	69

¹ Includes businesses not shown separately.

Source: Department of Commerce, Office of Business Economics; published currently in *Survey of Current Business*.

DISTRIBUTION AND SERVICES

No. 1073.—RETAIL STORES—SALES, FOR SELECTED STANDARD METROPOLITAN AREAS:
1948 AND 1954

[In thousands of dollars. Preliminary. 1948 data revised (except where otherwise noted) to exclude milk dealers not in scope of 1954 Census of Business. See also text, p. 842.]

STANDARD METROPOLITAN AREA	1948	1954	Percent increase, 1948 to 1954	STANDARD METROPOLITAN AREA	1948	1954	Percent increase, 1948 to 1954
Akron, Ohio	398,030	515,987	31	New Orleans, La.	552,629	762,523	38
Albany-Schenectady-Troy, N. Y.	551,090	659,427	20	New York-Northeastern New Jersey	12,473,435	15,850,328	27
Allentown-Bethlehem-Easton, Pa.	395,794	474,448	20	Norfolk-Portsmouth, Va. ¹	343,749	602,210	46
Atlanta, Ga. ¹	671,335	963,229	43	Oklahoma City, Okla. ¹	2,317,913	461,385	45
Baltimore, Md.	1,192,237	1,566,961	31	Omaha, Nebr.	377,781	483,269	28
Birmingham, Ala.	438,600	532,582	21	Philadelphia, Pa.	3,257,397	4,300,505	32
Buffalo, N. Y.	1,005,435	1,365,765	36	Phoenix, Ariz. ¹	2,311,336	476,892	53
Chicago, Ill.	5,928,232	7,555,219	27	Pittsburgh, Pa.	1,942,568	2,266,607	17
Cincinnati, Ohio	863,202	1,151,383	33	Portland, Oreg. ¹	765,854	918,920	20
Cleveland, Ohio	1,484,141	1,963,334	32	Richmond, Va.	333,042	421,434	27
Columbus, Ohio	500,863	717,294	43	Rochester, N. Y.	3,482,039	624,421	30
Dallas, Texas ¹	2,704,804	1,094,436	55	Sacramento, Calif.	2,297,303	456,627	54
Dayton, Ohio	436,304	605,758	39	St. Louis, Mo.	1,540,790	2,054,763	33
Denver, Colo.	591,348	887,438	50	San Antonio, Texas ¹	386,276	557,141	44
Detroit, Mich.	2,973,070	4,184,374	41	San Bernardino-Riverside-Ontario, Calif.	2,411,355	626,860	52
Fort Worth, Texas ¹	397,551	560,344	41	San Diego, Calif.	505,670	804,096	59
Grand Rapids, Mich.	289,511	392,683	36	San Francisco-Oakland, Calif.	2,351,286	3,004,192	28
Houston, Texas ¹	2,818,603	1,212,865	48	Seattle, Wash. ¹	749,133	988,520	32
Indianapolis, Ind.	617,249	824,962	34	Syracuse, N. Y.	342,909	449,358	31
Kansas City, Mo.	977,848	1,245,810	27	Tampa-St. Petersburg, Fla. ¹	362,058	607,945	68
Los Angeles-Long Beach, Calif.	4,684,083	7,115,916	52	Toledo, Ohio	430,570	508,106	18
Louisville, Ky. ¹	509,771	716,724	41	Washington, D. C.	1,471,596	2,027,115	38
Memphis, Tenn.	2,485,432	610,734	26	Wilkes-Barre-Hazleton, Pa.	300,798	315,052	5
Miami, Fla.	577,483	983,194	70	Youngstown, Ohio	461,880	592,926	28
Milwaukee, Wis.	912,284	1,148,247	26				
Minneapolis-St. Paul, Minn.	1,238,826	1,539,061	24				

¹ Relatively important annexations to these central cities, made subsequent to 1948, have the effect of obscuring the difference in the change in sales from 1948 in the central city as compared with the remainder of the standard metropolitan area in which the city is located.

² Not revised to exclude milk dealers (dairies) not in the scope of the 1954 Census of Business.

³ Includes changes in addition to those resulting from the exclusion of milk dealers.

Source: Department of Commerce, Bureau of the Census; 1954 Census of Business, Retail Trade, Series PR-1-1.

No. 1074.—RETAIL STORES—NUMBER AND SALES, BY SIZE OF STORE:
1929, 1939, AND 1948

ANNUAL SALES GROUP AND YEAR	STORES		SALES		
	Number	Percent	Amount (\$1,000)	Percent	
\$300,000 or more:	1929	15,029	12,323,766	25.5	
	1939	12,630	9,855,631	23.4	
	1948	67,615	54,674,754	41.9	
\$100,000 to \$299,999:	1929	62,009	4,786,669	20.2	
	1939	50,097	2,8	7,955,285	18.9
	1948	194,829	11.0	31,871,978	24.4
\$50,000 to \$99,999:	1929	127,148	8.6	8,631,797	17.9
	1939	93,318	5.3	6,394,703	15.2
	1948	298,555	16.9	20,854,524	16.0
\$30,000 to \$49,999:	1929	173,269	11.7	6,617,169	13.7
	1939	133,221	7.5	5,077,007	12.1
	1948	296,899	16.8	11,491,605	8.8
\$10,000 to \$29,999:	1929	468,885	31.8	8,349,491	17.3
	1939	522,117	29.5	8,938,632	21.3
	1948	519,258	29.3	9,826,110	7.5
Less than \$10,000:	1929	630,025	42.7	2,620,760	5.4
	1939	958,972	54.2	3,820,532	9.1
	1948	392,384	22.2	1,801,577	1.4

Source: Department of Commerce, Bureau of the Census; U. S. Census of Business: 1948, Vol. I.

**No. 1075.—RETAIL TRADE—WAREHOUSES AND ADMINISTRATIVE OFFICES, SUMMARY,
BY KIND OF BUSINESS: 1948**

[Warehouses and administrative offices operated primarily in connection with retail stores]

KIND OF BUSINESS	WAREHOUSES				ADMINISTRATIVE OFFICES AND AUXILIARY UNITS			
	Total	Payroll, entire year	Paid employees, workweek ended nearest Nov. 15	Total	Payroll, entire year	Paid employees, workweek ended nearest Nov. 15	Total	Total
			Total			Total		
United States.....	Number 1,080	\$1,000 480,081	Number 133,072	Number 125,197	Number 697	\$1,000 138,081	Number 32,182	Number 31,512
Food group.....	369	205,642	57,445	54,418	94	26,518	6,096	5,996
Eating and drinking places.....	40	6,608	1,851	1,689	81	14,908	3,435	3,399
General stores.....	4	987	319	293	5	338	78	73
General merchandise group.....	117	136,233	35,509	33,658	80	31,982	6,119	6,063
Apparel group.....	270	68,751	18,933	17,116	101	17,483	4,463	4,245
Furniture, furnishings, appliance group.....	49	9,608	2,918	2,761	46	9,024	2,205	2,146
Automotive group.....	26	4,625	1,181	1,139	6	3,615	1,148	1,144
Gasoline service stations.....	11	828	227	223	37	5,228	1,210	1,194
Lumber, building, hardware group.....	23	2,652	681	673	82	12,622	2,358	2,326
Drug and proprietary stores.....	97	29,517	8,904	8,281	10	4,388	1,120	1,117
Liquor stores.....	31	3,844	1,547	1,455	7	3,202	1,366	1,356
Other retail stores.....	43	10,766	3,507	3,490	58	8,778	2,589	2,513

Source: Department of Commerce, Bureau of the Census; U. S. Census of Business: 1948, Vol. III.

**No. 1076.—RETAIL STORES—NUMBER AND SALES, BY KIND OF BUSINESS, FOR
SINGLE AND MULTIUNITS AND SELECTED TYPES OF OPERATION: 1948**

KIND OF BUSINESS	STORES				SALES, ENTIRE YEAR			
	Total	Single units	2 or 3 store multi- units	4 or more store multi- units	Total	Single units	2 or 3 store multi- units	4 or more store multi- units
		Number 1,769,540	Number 1,606,885	Number 57,547	Number 105,108	Number 130,520,548	Number 91,829,227	Number 8,945,751
United States.....					\$1,000 30,065,674	\$1,000 19,228,648	\$1,000 1,244,263	\$1,000 10,492,763
Food group.....	504,439	462,026	9,839	32,574	30,065,674	19,228,648	1,244,263	10,492,763
Eating and drinking places.....	346,556	333,619	6,804	6,133	10,683,324	9,510,388	431,096	741,840
General merchandise group, general stores.....	74,101	57,122	3,570	13,409	17,134,718	6,650,571	1,554,330	8,929,817
Apparel group.....	115,246	91,596	9,135	14,515	9,803,218	5,954,132	1,120,487	2,728,599
Furniture, furnishings, appliance group.....	85,555	74,489	5,055	6,031	6,914,179	5,140,919	745,859	1,027,401
Automotive group.....	86,162	78,506	3,973	3,683	20,104,054	17,922,669	1,440,404	740,081
Gasoline service stations.....	188,253	179,917	2,891	5,445	6,483,301	5,806,236	206,691	470,374
Lumber, building, hardware group.....	98,938	86,182	4,805	7,951	11,151,470	8,600,600	902,565	1,558,305
Drug and proprietary stores.....	55,796	49,744	2,337	3,715	4,013,231	2,900,271	244,357	868,603
Other retail stores.....	214,464	193,704	9,108	11,652	13,267,379	10,024,793	1,064,699	2,177,887

KIND OF BUSINESS	CONSUMER COOPERATIVES		FARM COOPERATIVE STORES		MAIL ORDER HOUSES		DIRECT SELLING (house to house) organizations	
	Stores	Sales, entire year	Stores	Sales, entire year	Estab- lish- ments	Sales, entire year	Estab- lish- ments	Sales, entire year
		Number 728	\$1,000 108,529	Number 3,670	\$1,000 958,312	Number 880	\$1,000 1,485,352	Number 3,451
United States.....								
Food group.....	402	48,629	384	91,234	54	5,602	414	112,806
Eating and drinking places.....	41	6,122	42	1,740	-----	-----	-----	-----
General merchandise group, general stores.....	46	10,278	148	26,723	60	1,300,867	313	33,290
Apparel group.....	9	1,483	-----	-----	106	47,287	264	38,186
Furniture, furnishings, appliance group.....	18	729	14	1,295	50	11,138	1,355	304,852
Automotive group.....	12	6,243	16	1,481	10	2,236	-----	-----
Gasoline service stations.....	97	11,501	723	96,440	-----	-----	-----	-----
Lumber, building, hardware group.....	18	5,699	243	38,724	18	6,024	-----	-----
Drug and proprietary stores.....	11	921	21	23	23	925	9	58
Other retail stores.....	74	16,933	2,100	70,675	559	111,273	1,096	150,571

Source: Dept. of Commerce, Bureau of the Census; U. S. Census of Business: 1948, Vols. I and II, and records.

No. 1077.—DEPARTMENT STORE SALES AND STOCKS—INDEXES, BY FEDERAL RESERVE DISTRICT: 1919 TO 1956

[1947-49 average=100. Based on retail value figures. All monthly data adjusted for seasonal variation and sales data also adjusted for number of trading days. Data for stocks are as of end of month or are annual averages]

YEAR OR MONTH	United States	FEDERAL RESERVE DISTRICT											
		Bos- ton	New York	Phi- ladel- phia	Cleve- land	Rich- mond	At- lanta	Chi- cago	St. Louis	Min- neapo- lis	Kan- sas City	Dal- las	San Fran- cisco
SALES													
1919	27	37	34	40	27	21	20	-----	-----	37	-----	21	18
1920	32	42	41	47	34	23	24	-----	-----	42	-----	26	22
1925	36	48	47	50	35	26	22	35	36	41	38	23	26
1930	35	47	51	44	34	26	22	35	33	35	34	22	28
1935	29	35	38	34	28	25	19	30	25	30	27	19	24
1940	37	42	43	41	38	34	29	40	35	36	34	27	33
1945	70	72	70	68	68	73	70	68	70	66	72	66	72
1950	105	103	101	106	105	105	109	104	104	105	108	113	105
1951	109	105	105	109	110	113	115	108	107	104	111	117	109
1952	110	104	101	109	110	118	124	106	110	104	113	124	114
1953	112	105	102	111	113	121	126	111	112	104	112	125	115
1954	111	107	104	109	105	121	129	100	112	105	115	127	114
1955	119	112	107	117	115	130	142	118	121	108	124	138	122
January	120	114	109	114	111	133	138	115	123	112	124	141	126
February	113	109	101	108	108	122	135	108	114	103	114	131	118
March	115	107	106	112	107	129	133	113	116	108	120	137	119
April	119	108	102	115	116	126	142	119	122	107	126	142	120
May	117	111	103	115	113	128	137	117	120	107	120	134	118
June	114	107	104	114	108	123	136	114	108	103	118	132	118
July	124	114	108	121	124	136	152	122	132	111	136	145	123
August	118	107	106	114	114	134	143	115	120	107	124	139	122
September	121	112	108	120	116	134	140	118	119	112	127	131	126
October	122	114	109	120	120	132	148	120	122	109	125	138	126
November	122	116	110	121	118	134	142	121	124	110	124	136	125
December	123	114	110	122	119	132	147	121	125	110	124	147	123
1956:													
January	124	111	114	120	117	138	147	120	126	116	123	144	129
February	118	111	105	118	116	129	143	112	122	108	117	139	124
March	122	102	107	116	116	137	143	124	128	112	126	144	128
April	122	111	104	121	120	131	144	117	123	113	124	144	131
STOCKS													
1919	37	53	44	-----	37	-----	29	-----	-----	48	-----	34	27
1920	49	62	60	-----	51	-----	38	-----	-----	59	-----	46	35
1925	49	64	58	76	50	35	33	45	55	56	59	40	36
1930	45	56	58	58	45	32	30	46	46	41	52	29	36
1935	32	43	40	40	31	26	22	31	33	32	32	23	26
1940	38	47	44	42	39	33	29	40	36	30	36	29	34
1945	60	71	69	64	59	62	53	58	58	57	56	52	56
1950	109	109	105	108	106	113	120	108	106	104	111	112	110
1951	128	124	124	127	128	133	140	125	125	116	130	132	131
1952	118	111	113	113	111	130	136	112	114	107	121	126	126
1953	126	116	116	119	118	143	146	122	124	115	133	138	134
1954	122	117	114	116	114	139	141	120	116	115	126	132	125
1955	127	122	115	122	117	146	152	121	124	121	135	143	133
January	124	118	114	118	114	141	146	119	121	116	130	137	132
February	124	118	114	117	114	145	147	118	120	116	129	140	128
March	124	119	113	118	113	144	150	120	117	116	133	142	130
April	124	121	113	116	113	144	149	120	120	113	131	137	128
May	123	120	111	119	113	139	148	122	121	117	132	137	126
June	127	124	115	124	116	143	151	124	126	123	136	143	130
July	127	121	116	125	118	145	148	121	126	119	134	143	131
August	129	122	117	122	118	145	154	123	126	123	136	145	138
September	129	124	116	126	118	150	156	121	123	122	135	146	137
October	129	123	117	126	119	152	156	120	129	125	141	147	134
November	131	123	119	128	119	154	159	123	130	128	142	149	137
December	134	126	121	131	124	157	156	127	133	132	143	159	141
1956:													
January	137	124	122	132	123	160	158	131	138	133	148	158	149
February	138	128	124	131	124	162	164	131	137	132	148	158	146
March	135	127	122	130	122	159	162	128	132	130	148	156	142
April	136	128	124	131	123	157	168	131	136	127	145	152	143

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin*.

No. 1078.—DEPARTMENT STORE MERCHANDISING SUMMARY: 1939 TO 1955

[In millions of dollars, except ratios. These figures are actual dollar amounts reported by a group of department stores located in various cities throughout the country and are not estimates for all department stores. Receipts of goods are derived from reported figures on sales and stocks. New orders are derived from receipts and reported figures on outstanding orders]

MONTHLY AVERAGE	Sales (total for month)	Stocks (end of month)	Outstand-ing orders (end of month)	Re-ceipts (total for month)	New orders (total for month)	RATIOS				
						Stocks to sales	Out-standing orders to sales	Out-standing orders to stocks	Stocks plus out-standing orders to sales	Re-ceipts to sales
1939.....	139	369	(1)	141	(1)	2.8	(1)	(1)	(1)	1.0
1940.....	147	379	115	148	(1)	2.7	0.8	0.3	3.6	1.0
1941.....	169	450	206	179	184	2.8	1.3	0.5	4.0	1.1
1942.....	104	643	280	197	208	3.5	1.5	0.4	5.1	1.1
1943.....	221	546	563	220	242	2.6	2.7	1.0	5.2	1.0
1944.....	246	574	596	244	256	2.4	2.5	1.0	5.0	1.0
1945.....	276	604	775	277	291	2.3	3.0	1.3	5.3	1.0
1946.....	345	767	964	873	354	2.3	3.0	1.3	5.3	1.1
1947.....	365	887	588	366	364	2.5	1.7	0.7	4.3	1.0
1948.....	381	979	494	386	363	2.7	1.4	0.5	4.1	1.0
1949.....	361	925	373	358	358	2.7	1.1	0.4	3.8	1.0
1950.....	376	1,012	495	391	401	2.8	1.4	0.5	4.2	1.1
1951.....	391	1,202	460	390	379	3.2	1.3	0.4	4.4	1.0
1952.....	397	1,067	435	397	401	2.9	1.2	0.4	4.1	1.0
1953.....	406	1,163	421	408	401	3.0	1.1	0.4	4.1	1.0
1954.....	409	1,140	388	410	412	3.0	1.0	0.3	4.0	1.0
1955.....	435	1,189	445	441	446	2.9	1.1	0.4	4.0	1.0

¹ Not available.

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin*.

No. 1079.—MERCHANT WHOLESALERS—NUMBER OF ESTABLISHMENTS AND SALES, 1948 AND 1953, AND SELECTED DATA, 1953, BY KIND OF BUSINESS

[1953 figures based on sample; see source for sampling variability. Represents all merchant wholesalers with one or more paid employees]

KIND OF BUSINESS	ESTABLISHMENTS, END OF YEAR		SALES, ENTIRE YEAR		Stocks on Hand, end of 1953, at cost	Receivables, end of 1953	Bad debt losses, 1953	Operating expenses, 1953
	1948	1953	1948	1953				
	Number	Number	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	\$1,000 mil.	Mil. dol.
Total.....	128,227	144,506	78,524	96,373	9,801	7,462	130,380	12,481
Grocery, confectionery, meat wholesalers.....	15,363	15,731	11,220	14,620	1,068	686	13,607	1,244
Edible farm products distributors.....	11,909	12,469	7,382	8,783	199	472	10,011	1,313
Beverage, wine, distilled spirits wholesalers.....	6,610	6,420	4,038	5,095	522	343	3,247	598
Drugs, chemicals, allied products wholesalers.....	4,037	5,152	2,255	3,128	380	288	3,845	520
Tobacco distributors.....	2,667	2,615	2,481	2,936	131	108	1,461	145
Dry goods, apparel wholesalers.....	9,460	10,006	5,588	5,952	905	668	9,518	842
Furniture, home furnishings wholesalers.....	3,126	3,539	1,293	1,578	246	187	3,868	294
Paper, allied products wholesalers.....	3,596	4,346	1,886	2,640	266	264	3,073	395
Inedible farm products merchants.....	2,009	2,543	6,745	7,904	696	171	1,581	311
Automotive wholesalers.....	13,400	14,322	4,017	4,180	646	342	8,858	795
Electrical, electronic, appliance goods distributors.....	4,995	6,027	4,309	6,222	703	713	14,069	866
Hardware, plumbing, heating goods wholesalers.....	5,157	5,307	3,710	4,087	699	444	9,879	669
Lumber, construction materials distributors.....	5,538	6,692	3,900	5,027	459	480	9,550	754
Machinery, equipment, supplies distributors.....	19,280	23,404	6,735	9,451	1,432	1,137	20,008	1,818
Metals, metalwork (except scrap) distributors.....	1,690	2,350	2,047	2,970	436	222	3,309	423
Iron-steel scrap, waste materials dealers.....	6,286	7,432	2,658	3,004	168	153	2,304	413
Other merchant wholesalers.....	13,104	16,142	8,167	8,778	845	784	11,592	1,081

Source: Department of Commerce, Bureau of the Census; *Annual Wholesale Trade Report—1953, Merchant Wholesalers*.

No. 1080.—WHOLESALE ESTABLISHMENTS—

[Preliminary. Excludes all establishments which had no paid employees;

DIVISION AND STATE	1948								
	Total				Merchant wholesalers		Other types of establishments		
	Establish- ments	Payroll entire year	Payroll and paid employees work week ended near- est November 15		Active proprietors of unincor- porated businesses, November	Establish- ments	Sales	Establish- ments	
			Payroll	Employees					
U. S. -----	216,043	\$1,000 7,748,145	\$1,000 148,632	2,309,278	130,879	129,118	Mil. dol. 76,541	86,925	Mil. dol. 104,078
N. E. -----	11,665	459,115	8,432	136,096	4,914	8,464	4,518	3,201	4,537
Maine-----	869	27,010	502	9,553	365	549	248	320	237
N. H. -----	465	10,650	201	3,824	205	306	104	159	78
Vt. -----	338	8,646	155	2,918	167	208	78	130	59
Mass. -----	6,848	291,773	5,302	82,795	2,688	4,949	2,978	1,899	3,222
R. I. -----	994	34,914	652	11,027	501	816	346	178	366
Conn. -----	2,151	86,122	1,619	25,969	988	1,636	768	515	573
M. A. -----	54,380	2,285,556	42,730	591,375	32,619	41,223	24,168	13,157	30,847
N. Y. -----	36,518	1,599,255	29,598	384,100	20,350	27,950	17,705	8,568	23,222
N. J. -----	5,057	197,530	3,763	57,094	3,030	4,162	1,893	895	1,611
Pa. -----	12,805	488,702	9,368	150,181	9,239	9,111	4,571	3,094	6,014
E. N. C. -----	42,597	1,642,405	31,291	458,437	25,551	24,434	14,773	18,163	24,011
Ohio -----	10,410	409,490	7,523	117,316	5,887	6,359	3,882	4,051	5,383
Ind. -----	4,895	138,028	2,609	42,857	3,090	2,562	1,347	2,338	1,776
Ill. -----	15,096	665,120	12,572	175,207	9,280	8,521	5,812	6,575	11,437
Mich. -----	7,600	297,796	5,778	83,138	4,833	4,484	2,361	3,116	4,062
Wis. -----	4,506	131,967	2,509	39,019	2,461	2,508	1,370	2,088	1,352
W. N. C. -----	28,402	702,549	13,523	233,041	16,676	10,395	7,463	18,007	13,526
Minn. -----	5,392	182,650	3,154	52,082	2,845	2,143	1,981	3,249	2,867
Iowa -----	5,320	97,751	1,872	34,532	3,632	1,767	949	3,553	2,276
Mo. -----	6,919	275,731	5,279	85,302	4,275	3,695	2,746	3,224	4,163
N. Dak. -----	2,102	24,705	487	8,885	842	298	178	1,804	749
S. Dak. -----	1,679	20,978	399	7,041	838	318	173	1,361	605
Nebr. -----	2,832	60,656	1,182	21,900	1,668	929	639	1,903	1,612
Kans. -----	4,158	60,078	1,150	22,409	2,576	1,245	797	2,913	1,255
S. A. -----	20,828	715,957	14,179	255,652	12,204	12,336	6,454	8,492	9,325
Del. -----	344	17,672	351	5,140	187	213	86	131	396
Md. -----	2,761	98,946	1,910	33,281	1,750	1,904	923	857	1,062
D. C. -----	1,021	58,923	1,131	16,230	478	644	467	377	726
Va. -----	2,863	96,230	1,980	38,549	1,715	1,670	926	1,193	1,013
W. Va. -----	1,638	54,917	1,051	17,162	736	1,151	564	487	496
N. C. -----	3,690	102,530	2,126	41,037	2,300	1,984	1,023	1,708	2,034
S. C. -----	1,517	36,297	695	13,402	947	837	457	680	528
Ga. -----	3,586	131,194	2,507	43,117	2,215	1,835	1,063	1,751	2,084
Fla. -----	3,408	119,248	2,428	47,714	1,876	2,098	945	1,310	986
E. S. C. -----	9,480	299,190	5,452	103,809	6,700	5,412	3,677	4,068	3,893
Ky. -----	2,266	85,607	1,301	25,153	1,634	1,311	766	955	904
Tenn. -----	3,220	110,843	2,166	39,260	2,134	1,831	1,737	1,389	1,600
Ala. -----	2,386	71,553	1,375	26,174	1,755	1,397	758	989	881
Miss. -----	1,608	31,287	611	13,222	1,177	873	416	735	608
W. S. C. -----	18,765	531,338	10,789	186,176	12,491	9,833	6,030	8,932	6,475
Ark. -----	2,008	34,407	700	14,099	1,480	940	407	1,068	400
La. -----	2,872	100,145	1,977	34,725	1,752	1,701	1,151	1,171	986
Okla. -----	3,202	71,442	1,404	24,570	2,108	1,572	719	1,730	955
Tex. -----	10,583	325,344	6,708	112,782	7,151	5,620	3,753	4,963	4,134
Mont. -----	7,990	197,056	3,922	69,284	4,872	3,573	1,730	4,417	2,437
Idaho -----	1,338	21,410	422	7,343	586	386	192	932	383
Wyo. -----	1,102	19,205	480	8,877	681	308	122	794	287
Colo. -----	411	5,925	145	2,576	268	179	80	232	67
N. Mex. -----	2,423	74,860	1,438	25,370	1,584	1,157	621	1,266	981
Ariz. -----	785	23,115	439	7,805	513	430	218	355	187
Utah -----	1,027	35,898	716	11,670	617	618	294	409	403
Nev. -----	241	4,533	88	1,292	174	133	54	108	25
Pac. -----	21,936	914,979	18,314	275,408	14,852	13,448	7,728	8,488	9,023
Wash. -----	3,782	139,520	2,868	44,062	2,290	2,091	1,225	1,691	1,336
Oreg. -----	2,345	91,276	1,885	28,491	1,396	1,359	928	986	918
Calif. -----	15,809	684,183	12,561	202,855	11,166	9,998	5,575	5,811	6,774

Source: Department of Commerce, Bureau of the Census; 1954 Census of Business, Wholesale Trade, Series PW-1-1.

SUMMARY, BY STATES: 1948 AND 1954

1948 data adjusted to secure comparability with 1954. See text, p. 842]

1954										
		Total			Merchant wholesalers		Other types of wholesale establishments		DIVISION AND STATE	
Establishments	Payroll entire year	Payroll and paid employees work week ended nearest November 15		Active proprietors of unincorporated businesses, November	Establishments	Sales	Establishments	Sales		
		Payroll	Employees							
252,127	\$1,000 11,033,232	\$1,000 215,665	2,581,007	151,184	165,055	Mil. dol. 100,560	87,072	Mil. dol. 133,479	U. S.	
14,446	646,994	12,223	151,835	6,305	11,000	5,568	3,446	6,129	N. E.	
1,315	41,307	767	12,054	573	922	359	393	307	Maine.	
616	10,748	360	5,105	259	432	178	164	130	N. H.	
424	12,097	222	3,331	214	279	96	145	85	Vt.	
7,926	383,055	7,268	86,984	3,311	6,037	3,302	1,880	4,176	Mass.	
1,256	49,206	926	12,554	582	1,053	480	203	447	R. I.	
2,909	140,681	2,670	31,807	1,306	2,257	1,152	652	983	Conn.	
59,950	2,983,559	56,839	627,138	34,931	46,944	30,135	13,006	38,325	M. A.	
37,985	1,926,135	36,388	384,437	20,252	26,979	21,610	8,006	27,660	N. Y.	
6,902	354,378	6,827	77,755	3,859	5,693	2,954	1,200	2,834	N. J.	
15,063	703,046	13,624	164,946	10,820	11,272	5,571	3,791	7,830	Pa.	
49,364	2,452,208	46,886	520,650	29,255	31,129	19,427	18,235	31,347	E. N. C.	
11,968	620,285	12,146	135,740	6,197	7,832	4,601	4,136	7,913	Ohio.	
5,881	223,591	4,242	52,821	3,616	3,398	1,827	2,483	2,500	Ind.	
16,472	934,558	17,222	185,205	10,119	10,442	7,701	6,030	12,585	Ill.	
9,439	478,003	9,329	99,716	6,327	6,172	3,693	3,267	6,400	Mich.	
5,604	195,771	3,897	47,168	2,996	3,285	1,605	2,319	1,949	Wis.	
30,337	990,016	19,599	248,301	18,186	13,187	8,971	17,150	14,606	W. N. C.	
6,090	239,760	4,733	57,100	3,500	2,828	2,240	3,262	3,100	Minn.	
5,625	137,280	2,671	37,431	3,834	2,179	1,307	3,446	2,422	Iowa.	
7,507	380,341	7,462	88,510	4,490	4,372	3,225	3,225	4,031	Mo.	
2,071	32,706	691	8,885	852	416	255	1,655	557	N. Dak.	
1,600	27,661	567	8,312	902	442	220	1,248	562	S. Dak.	
3,002	83,156	1,668	23,325	1,902	1,249	777	1,753	1,865	Nebr.	
4,262	89,103	1,807	24,738	2,706	1,701	946	2,501	1,070	Kans.	
26,289	1,082,777	21,287	306,164	14,917	17,372	9,040	8,917	12,397	S. A.	
417	35,900	671	7,025	102	284	143	133	663	Del.	
3,034	140,943	2,612	35,227	1,831	2,207	1,102	827	1,474	Md.	
1,080	76,458	1,502	16,661	459	760	582	329	836	D. C.	
3,364	134,650	2,711	41,150	1,821	2,212	1,240	1,152	1,424	Va.	
1,824	67,411	1,358	17,891	848	1,341	551	483	516	W. Va.	
4,750	162,650	3,333	50,660	2,840	2,957	1,514	1,793	2,652	N. C.	
2,014	56,245	1,086	18,457	1,220	1,254	628	760	707	S. C.	
4,488	200,574	3,901	54,236	2,724	2,658	1,536	1,830	2,958	Ga.	
5,300	207,928	4,114	64,857	2,982	3,699	1,736	1,610	1,666	Fla.	
11,264	419,192	8,185	121,917	7,784	7,149	4,659	4,115	5,528	E. S. C.	
2,717	104,061	2,040	20,981	1,846	1,719	965	998	1,221	Ky.	
3,867	164,671	3,230	46,580	2,584	2,523	2,131	1,344	2,361	Tenn.	
2,817	104,141	2,032	30,110	2,041	1,813	1,020	1,004	1,306	Ala.	
1,863	46,310	883	15,246	1,313	1,004	544	769	640	Miss.	
22,956	808,070	16,288	216,975	15,257	14,406	8,781	8,550	8,358	W. S. C.	
1,064	47,853	915	14,410	1,435	1,140	507	824	490	Ark.	
3,633	144,994	2,897	40,120	2,229	2,440	1,616	1,193	1,267	La.	
3,628	101,141	2,094	27,234	2,434	2,093	989	1,535	1,298	Oklahoma.	
13,731	514,082	10,381	135,211	9,159	8,733	5,669	4,998	5,303	Tex.	
10,010	293,588	6,161	79,660	6,287	5,317	2,569	4,693	3,278	Mt.	
1,498	29,905	620	7,813	687	557	265	941	432	Mont.	
1,270	26,906	578	9,920	823	529	133	741	287	Idaho.	
553	9,212	186	2,576	366	276	97	277	102	Wyo.	
2,894	100,325	2,103	25,527	1,919	1,544	832	1,350	1,378	Colo.	
1,003	27,450	585	7,741	703	630	281	373	168	N. Mex.	
1,286	44,367	956	12,272	802	850	431	436	354	Ariz.	
1,171	46,107	943	11,737	739	700	361	471	510	Utah.	
335	9,226	190	2,074	248	231	109	104	45	Nev.	
27,511	1,356,828	28,247	308,367	18,262	18,551	11,410	8,960	13,012	Pac.	
4,651	200,711	4,130	48,560	2,615	2,789	1,696	1,862	1,735	Wash.	
2,991	123,080	2,582	28,752	2,010	1,935	1,281	1,056	1,048	Oreg.	
19,869	1,033,037	21,535	231,055	13,637	13,827	8,433	6,042	10,229	Calif.	

No. 1081.—WHOLESALE ESTABLISHMENTS—SUMMARY, BY TYPE

TYPE OF OPERATION BY KIND OF BUSINESS	ESTABLISHMENTS (number)			SALES, ENTIRE YEAR (\$1,000)			OPERATING EXPENSES (INCL. PAYROLL) PERCENT OF SALES	
	1929	1939	1948	1929	1939	1948	1939	1948
	United States, total	168,262	199,726	243,366	66,739,607	54,888,480	188,688,801	(*)
1 Merchant wholesalers, total	79,178	100,961	146,518	29,205,174	22,537,832	79,766,589	13.1	11.6
2 Groceries, confectionery, meats	15,224	15,681	17,345	5,386,861	3,940,781	11,356,738	11.3	8.8
3 Farm products (edible)	8,972	10,945	13,630	3,061,240	2,110,766	7,500,941	13.0	11.6
4 Beer, wines, distilled spirits	(*)	6,232	7,195	(*)	1,249,104	4,069,729	12.9	10.9
5 Drugs, chemicals, allied products	2,376	3,298	4,671	947,962	801,813	2,232,226	17.3	15.8
6 Tobacco and products (except leaf)	1,721	2,717	3,019	858,329	1,106,215	2,529,576	4.9	5.2
7 Dry goods, apparel	7,383	8,275	11,733	2,817,742	1,888,952	5,727,719	13.1	11.8
8 Furniture, home furnishings	1,750	2,214	3,813	494,777	373,464	1,314,945	17.2	16.6
9 Paper and its products	2,297	2,988	4,044	704,388	574,073	1,901,747	17.2	15.5
10 Farm products (raw materials)	3,400	2,086	2,594	3,697,456	1,628,706	6,908,093	6.0	3.6
11 Automotive	3,451	7,818	14,693	1,388,057	1,055,387	4,001,580	17.5	17.8
12 Electrical goods	2,182	3,072	5,443	846,689	788,024	4,424,566	18.6	12.7
13 Hardware, plumbing, heating	2,953	3,568	5,901	1,212,738	971,975	3,826,957	18.4	15.4
14 Lumber, construction materials	3,774	3,303	5,890	1,283,801	804,392	3,934,736	15.2	14.0
15 Machinery, equipment, supplies	6,988	11,270	21,430	1,268,760	1,440,371	6,731,372	20.0	18.0
16 Metals, metal work (except scrap)	856	1,017	1,803	672,581	515,975	2,056,715	12.0	12.1
17 Waste materials	3,919	6,059	7,717	474,453	656,000	2,699,300	14.7	11.9
18 Other merchant wholesalers	11,932	10,508	15,688	4,094,250	2,630,874	8,413,740	11.2	9.9
19 Manufacturers' sales branches (with stocks), total	(*)	12,844	15,716	(*)	9,610,329	29,229,717	12.5	10.0
20 Groceries, confectionery, meats	2,592	3,188	-----	2,333,306	6,802,136	11.1	6.8	
21 Dairy, poultry products	610	707	-----	199,200	880,074	17.2	13.4	
22 Beer, wines, distilled spirits	409	254	-----	274,265	748,346	19.1	10.3	
23 Drugs, chemicals, allied products	900	1,426	-----	758,232	2,328,660	18.2	13.0	
24 Tobacco and products (except leaf)	44	41	-----	446,489	707,902	13.9	6.7	
25 Dry goods, apparel	510	416	-----	510,384	1,573,229	12.3	6.3	
26 Furniture, home furnishings	285	376	-----	131,625	534,135	14.0	10.9	
27 Paper and its products	317	305	-----	177,454	192,386	16.5	15.6	
28 Automotive equipment, tires and tubes	(*)	700	-----	(*)	1,571,876	-----	10.8	
29 Electrical goods	393	669	-----	643,067	2,727,808	7.6	9.0	
30 Hardware, plumbing, heating	617	630	-----	276,045	664,527	15.9	13.0	
31 Lumber, construction materials	343	457	-----	238,475	613,076	14.1	10.6	
32 Machinery, equipment, supplies	8,622	4,847	-----	1,044,245	4,401,264	19.3	14.0	
33 Metals, metal work (except scrap)	431	502	-----	469,922	1,165,376	8.2	8.5	
34 Other manufacturers' sales branches	627	1,248	-----	(*)	4,228,913	-----	9.1	
35 Manufacturers' sales offices (without stocks)	(*)	5,082	8,052	(*)	4,643,280	23,508,860	6.9	4.3
36 Petroleum bulk stations, terminals	10,611	30,825	29,451	2,300,213	3,807,908	10,615,050	11.0	9.0
37 Agents, brokers, total	18,467	21,083	24,361	14,517,239	11,779,499	34,610,092	2.8	2.6
38 Groceries, confectionery, meats	2,296	2,733	3,171	2,331,805	2,109,490	5,487,102	1.9	2.0
39 Farm products (edible)	1,721	1,426	1,155	(*)	1,039,557	1,778,371	3.6	3.0
40 Beer, wines, distilled spirits	(*)	102	97	(*)	30,051	64,187	3.9	4.3
41 Drugs, chemicals, allied products	508	478	499	(*)	150,792	302,648	5.3	4.5
42 Tobacco and products (except leaf)	32	25	19	4,202	16,135	5,520	3.6	3.9
43 Dry goods, apparel	2,141	2,906	3,293	2,110,502	2,092,200	5,497,838	2.5	3.2
44 Furniture, home furnishings	679	789	1,045	161,650	100,956	469,963	6.5	5.9
45 Paper and its products	336	470	407	99,384	98,607	261,077	5.1	4.2
46 Farm products (raw materials)	2,518	3,135	3,744	(*)	3,206,134	11,739,902	1.7	1.2
47 Automotive	393	331	556	123,187	121,426	459,614	3.0	4.8
48 Electrical goods	711	837	1,312	(*)	130,532	683,553	5.4	6.2
49 Hardware, plumbing, heating	750	904	1,236	121,861	115,060	468,431	5.9	7.2
50 Lumber, construction materials	952	944	788	369,512	213,760	539,286	5.1	4.7
51 Machinery, equipment, supplies	2,355	3,061	3,365	468,668	441,008	1,422,424	8.9	6.6
52 Metals, metal work (except scrap)	417	608	743	615,443	359,125	726,298	2.1	3.4
53 Waste materials	78	121	90	73,255	74,181	200,562	4.1	3.5
54 Other agents, brokers	2,520	2,213	2,841	(*)	1,479,885	4,423,321	3.0	2.6
55 Assemblers (mainly farm products), total	34,143	28,931	19,268	4,452,099	2,509,632	10,957,893	9.3	6.1
56 Fish, sea foods	17	580	591	694	30,371	118,225	28.1	23.5
57 Other grocery, food specialties	246	230	253	30,701	38,037	206,617	13.5	13.4
58 Dairy, poultry products	5,617	9,091	3,930	558,891	446,168	1,618,011	9.4	7.1
59 Fruits, vegetables (fresh)	3,809	2,902	2,137	603,182	393,459	1,102,832	23.3	23.0
60 Farm products (raw materials)	23,811	15,595	11,939	3,215,760	1,563,840	7,766,809	5.3	2.9
61 Farm supplies	407	478	384	35,297	34,418	151,167	10.0	9.3
62 Assemblers, misc. products	236	55	25	7,574	3,339	4,232	13.4	13.9

¹ Entries for agents and brokers represent brokerage or commission received as a percent of sales entire year.
² Proprietors of unincorporated businesses.

* Not available.

OF OPERATION AND KIND OF BUSINESS: 1929, 1939, AND 1948

PAYROLL, ENTIRE YEAR (\$1,000)		ACTIVE PROPRIETORS ² (number)		PAID EMPLOYEES, WORK- WEEK ENDED NEAREST NOV. 15 (number)		STOCKS ON HAND, END OF YEAR, AT COST (\$1,000)		
1939	1948	1939	Nov. 1948	1939	1948	1939	1948	
2,589,876	7,990,713	133,466	163,490	1,605,347	2,382,789	3,847,552	10,167,005	1
1,408,353	5,064,381	71,924	106,823	948,601	1,507,990	2,620,862	7,206,834	2
224,304	549,042	11,846	13,789	153,704	182,847	432,885	800,204	3
132,283	463,551	10,296	13,460	94,212	155,933	47,466	144,524	4
73,677	224,302	4,507	5,422	46,211	63,637	121,471	374,745	5
69,096	186,477	1,598	2,637	40,226	56,042	114,569	264,617	6
26,946	75,458	2,337	2,743	18,785	26,143	40,427	115,748	7
120,554	346,731	6,309	9,294	68,986	70,451	275,753	672,545	8
33,372	118,362	1,448	2,742	18,817	32,187	70,838	163,240	9
56,490	179,649	1,693	2,401	31,912	49,067	74,566	194,329	10
37,871	90,860	1,569	2,024	27,712	24,568	284,679	465,422	11
100,927	424,634	5,236	10,130	67,380	136,329	141,134	600,650	12
71,509	321,918	1,555	2,877	38,592	90,448	83,485	514,871	13
102,080	361,684	1,643	3,138	62,715	102,740	209,776	626,816	14
63,029	303,907	1,498	2,972	37,420	87,064	80,308	277,077	15
187,103	673,944	6,532	13,480	89,779	189,617	236,155	944,111	16
32,620	137,203	479	827	17,226	33,568	63,741	192,446	17
46,040	167,546	5,956	7,410	46,423	50,817	57,201	103,078	18
144,232	438,965	7,332	11,477	88,501	138,532	277,408	655,911	19
533,030	1,501,413	260	527	267,514	411,725	689,251	1,749,770	20
104,219	212,563	31	16	59,154	66,866	93,974	231,804	21
11,321	60,977	3	12	6,554	17,682	11,313	32,032	22
15,532	32,165	5	16	6,487	8,378	10,810	22,607	23
51,432	125,270	13	12	22,879	31,725	63,531	147,892	24
8,437	7,896	6	8	4,059	2,460	11,769	25,368	25
31,107	54,877	76	48	13,917	11,453	62,248	121,826	26
8,634	20,097	4	31	3,961	7,358	11,724	22,503	27
12,183	18,165	1	13	6,173	5,118	14,361	20,475	28
(*)	91,007	(*)	31	(*)	28,003	(*)	228,437	29
20,274	170,411	4	19	12,608	45,952	20,266	122,878	30
21,207	50,493	9	33	11,946	13,778	33,894	64,732	31
18,350	56,085	13	54	9,821	15,786	23,484	63,217	32
114,373	390,724	50	158	57,785	99,976	145,442	344,300	33
19,492	50,500	2	13	10,025	13,233	52,412	107,943	34
(*)	151,003	(*)	63	(*)	43,357	(*)	212,847	35
131,940	420,241	125	254	47,574	89,800			36
156,306	345,847	23,061	23,952	99,956	112,466	235,596	709,205	37
102,602	350,148	18,603	21,820	92,522	101,650	88,724	68,820	38
19,123	45,285	2,422	2,938	(*)	10,062	12,638	9,002	39
17,850	25,069	1,113	933	(*)	7,440	5,749	3,640	40
471	727	79	73	262	171	861	660	41
4,032	7,281	356	368	1,772	1,625	1,519	1,427	42
207	54	32	20	78	20	124	21	43
29,340	63,214	2,701	3,090	11,357	12,117	6,447	8,143	44
3,206	9,337	713	984	1,807	2,221	682	901	45
2,694	3,904	362	340	1,132	378	777	512	46
26,568	58,287	3,376	3,705	(*)	35,492	37,397	18,188	47
1,856	8,167	280	480	862	1,823	648	802	48
3,342	13,070	737	1,207	2,021	3,236	880	1,872	49
3,206	12,085	811	1,136	1,872	2,982	935	2,101	50
4,028	7,888	752	654	2,287	1,901	709	2,260	51
19,373	33,069	2,521	2,841	9,264	8,525	6,520	7,066	52
3,990	8,577	522	608	1,744	1,943	3,135	1,080	53
1,152	3,227	82	50	356	557	1,266	532	54
21,354	43,507	1,645	2,384	(*)	9,857	8,437	9,633	55
106,586	308,683	19,493	10,114	149,180	159,068	213,119	432,367	56
4,440	14,347	631	501	11,407	12,364	1,285	3,850	57
2,351	12,920	167	125	(*)	11,576	6,541	21,430	58
17,604	51,525	7,567	2,756	(*)	23,977	6,342	36,277	59
43,752	121,800	1,877	1,352	(*)	64,848	12,916	33,777	60
36,766	101,172	8,776	5,114	(*)	43,371	181,842	326,753	61
1,331	6,630	444	246	(*)	2,755	3,777	9,809	62
292	289	31	20	238	177	416	462	63

Source: Department of Commerce, Bureau of the Census; U. S. Census of Business: 1948, Vol. V.

No. 1082.—WHOLESALE ESTABLISHMENTS

DIVISION AND STATE	ESTABLISHMENTS (number)			SALES, ENTIRE YEAR (\$1,000)			ACTIVE PROPRIETORS ¹ (number)	
	1929	1939	1948	1929	1939	1948	1939	Nov. 1948
United States	2,168,262	199,726	243,366	266,739,607	54,888,480	188,688,801	133,466	163,490
New England	9,721	10,064	13,123	3,988,607	3,149,541	9,341,451	5,461	6,603
Maine	986	1,032	927	175,853	165,848	490,529	608	424
New Hampshire	325	363	518	60,500	64,263	188,998	198	260
Vermont	308	383	393	57,393	57,112	168,216	209	206
Massachusetts	6,015	5,932	7,788	2,035,089	2,214,403	6,390,231	3,133	3,791
Rhode Island	734	761	1,136	275,557	238,989	722,552	455	679
Connecticut	1,353	1,503	2,361	484,415	408,926	1,374,925	808	1,243
Middle Atlantic	37,913	45,179	64,046	22,606,845	18,807,570	57,747,882	30,122	44,525
New York	25,110	30,255	43,786	17,072,380	14,452,737	43,140,120	19,541	29,358
New Jersey	2,334	3,523	5,695	935,521	1,032,078	3,596,934	1,928	3,794
Pennsylvania	10,469	11,401	14,565	4,598,944	3,322,755	11,010,828	8,653	11,373
East North Central	31,973	40,504	47,412	13,401,820	11,164,583	40,345,543	26,815	31,131
Ohio	8,005	9,545	11,099	2,910,629	2,606,812	9,468,871	6,017	6,652
Indiana	3,726	4,821	5,325	888,816	842,092	3,227,141	3,356	3,586
Illinois	11,534	14,468	17,454	6,660,084	4,977,030	18,136,506	9,552	11,983
Michigan	5,222	6,891	8,434	2,018,328	1,918,154	6,683,754	4,874	5,878
Wisconsin	3,486	4,770	5,100	923,963	820,495	2,829,271	3,016	3,032
West North Central	28,591	33,039	31,814	8,442,430	5,769,120	21,988,833	21,835	20,631
Minnesota	5,243	6,493	6,076	1,667,535	1,448,297	5,026,505	4,075	3,632
Iowa	4,936	5,790	5,980	1,040,840	787,208	3,361,733	4,306	4,418
Missouri	6,621	7,608	7,846	2,306,777	2,238,054	7,420,888	5,198	5,341
North Dakota	2,618	2,682	2,261	261,131	170,252	939,420	1,300	1,021
South Dakota	1,972	2,020	1,829	236,095	133,139	791,608	1,100	1,014
Nebraska	2,886	3,378	3,183	1,053,441	564,601	2,354,449	2,338	2,072
Kansas	4,315	5,128	4,640	886,611	427,569	2,094,230	3,518	3,133
South Atlantic	15,556	17,341	22,430	4,473,555	4,537,886	16,287,633	11,722	14,060
Delaware	286	316	370	118,087	157,474	483,732	189	217
Maryland	2,192	2,461	3,076	711,372	688,138	2,057,749	1,004	2,130
District of Columbia	478	735	1,114	216,791	338,233	1,242,601	437	555
Virginia	2,331	2,426	3,000	621,139	626,477	2,033,470	1,489	1,856
West Virginia	1,127	1,423	1,737	341,433	254,119	1,076,754	734	849
North Carolina	2,403	2,842	3,962	655,118	826,694	3,129,686	2,068	2,617
South Carolina	1,539	1,447	1,609	333,528	297,078	1,008,042	1,101	1,056
Georgia	3,159	3,009	3,844	992,009	797,580	3,204,204	2,086	2,516
Florida	2,041	2,682	3,718	444,078	522,093	1,991,316	1,694	2,234
East South Central	7,711	8,154	10,318	2,495,203	1,957,572	7,897,253	6,278	7,686
Kentucky	2,024	2,168	2,456	500,389	483,769	1,734,338	1,672	1,854
Tennessee	2,238	2,634	3,529	1,043,463	835,389	3,477,171	1,910	2,469
Alabama	1,737	1,934	2,597	566,403	413,607	1,677,829	1,565	2,027
Mississippi	1,712	1,418	1,736	384,948	244,827	957,915	1,131	1,336
West South Central	17,480	18,380	20,441	4,726,740	3,425,977	13,005,080	13,257	14,490
Arkansas	2,045	1,782	2,147	366,510	248,643	831,613	1,466	1,647
Louisiana	1,711	2,360	3,068	828,056	698,804	2,227,058	1,419	2,007
Oklahoma	4,155	3,985	3,668	766,817	453,709	1,729,240	2,767	2,540
Texas	9,569	10,253	11,558	2,765,357	2,019,821	8,197,169	7,605	8,296
Mountain	5,743	7,259	8,615	1,167,413	1,080,863	4,270,113	4,598	5,644
Montana	1,243	1,338	1,396	158,227	130,834	587,330	596	657
Idaho	673	988	1,147	97,157	105,496	415,822	605	734
Wyoming	283	397	463	34,661	37,031	153,477	312	330
Colorado	2,056	2,274	2,650	536,353	431,118	1,628,603	1,572	1,826
New Mexico	315	542	718	53,143	66,387	259,969	414	566
Arizona	356	605	864	97,024	96,426	420,481	390	605
Utah	721	945	1,123	177,130	190,840	724,933	601	726
Nevada	96	175	254	13,718	23,231	79,498	108	191
Pacific	13,664	19,806	25,167	5,456,553	4,995,368	17,805,013	13,378	18,720
Washington	2,572	3,565	4,147	955,070	762,974	2,043,174	1,817	2,734
Oregon	1,437	1,916	2,561	465,196	437,954	1,891,251	1,019	1,649
California	9,055	14,325	18,459	4,036,287	3,794,440	13,270,588	10,542	14,337

¹ Proprietors of unincorporated businesses.² To avoid disclosures, where scope changes involved only one or two establishments, adjustments were not made at the State and geographic division levels. Hence, figures will not add to United States totals.

SUMMARY, BY STATES: 1929, 1939, AND 1948

PAID EMPLOYEES, WORKWEEK ENDED NEAREST NOV. 15 (number)		PAYROLL, ENTIRE YEAR (\$1,000)			STOCKS ON HAND, END OF YEAR, AT COST (\$1,000)			DIVISION AND STATE
1939	1948	1929	1939	1948	1929	1939	1948	
1, 605, 347	2, 382, 789	2, 941, 698	2, 589, 876	7, 990, 713	2, 5, 042, 641	3, 847, 552	10, 167, 005	U. S.
95, 342	136, 339	202, 367	166, 488	461, 899	318, 635	236, 639	608, 596	N. E. Maine.
7, 454	9, 616	11, 202	10, 135	27, 136	22, 973	18, 132	43, 619	N. H. Vt.
2, 570	4, 087	3, 667	3, 735	11, 291	6, 231	5, 184	14, 499	Mass. R. I.
2, 364	3, 141	2, 899	3, 434	9, 206	5, 432	5, 140	15, 411	Conn.
59, 235	81, 884	142, 828	110, 681	290, 915	214, 210	153, 785	367, 208	M. A. N. Y.
7, 624	11, 103	14, 534	12, 433	35, 210	22, 805	20, 975	56, 050	N. J. Pa.
16, 095	26, 553	27, 237	26, 070	88, 141	46, 984	33, 423	111, 719	E. N. C. Ohio.
434, 059	610, 213	945, 512	854, 708	2, 355, 318	1, 603, 266	1, 172, 326	2, 808, 883	Ind.
297, 738	397, 720	677, 590	625, 440	1, 651, 425	1, 236, 942	894, 396	2, 032, 869	Ill.
36, 089	58, 812	54, 648	62, 044	204, 040	67, 615	74, 123	233, 725	Mich.
100, 232	153, 681	213, 274	167, 224	499, 553	298, 709	203, 807	542, 289	Wis.
310, 585	474, 769	673, 206	529, 755	1, 697, 848	882, 170	642, 468	1, 805, 614	W. N. C. Iowa.
76, 788	120, 922	150, 293	130, 311	421, 175	191, 342	149, 298	426, 219	Mo.
28, 761	45, 056	42, 531	42, 357	144, 878	60, 212	57, 912	182, 159	S. Dak.
124, 835	182, 512	336, 877	226, 544	689, 689	410, 039	256, 362	679, 769	N. Dak.
53, 308	84, 766	93, 411	88, 318	304, 771	113, 976	105, 680	326, 746	Nebr.
26, 883	41, 513	50, 094	42, 225	137, 335	106, 601	73, 216	190, 721	Kans.
168, 504	238, 499	321, 140	246, 805	719, 554	615, 524	445, 881	1, 099, 917	E. S. C. Kiev.
38, 308	53, 355	62, 428	59, 680	166, 428	151, 304	130, 109	273, 157	Ark.
24, 281	35, 028	40, 541	31, 690	99, 434	68, 555	47, 836	137, 735	La.
64, 055	87, 016	142, 963	104, 138	281, 276	238, 139	156, 135	365, 582	Idaho.
6, 335	8, 916	9, 936	7, 195	24, 785	24, 418	22, 604	74, 013	Colo.
4, 957	8, 038	8, 614	5, 598	21, 306	16, 810	12, 139	40, 884	Wyo.
15, 419	23, 178	28, 047	20, 378	64, 866	58, 442	35, 402	98, 097	N. Mex.
15, 149	22, 968	28, 612	18, 151	61, 459	57, 856	41, 656	110, 449	Utah.
197, 506	264, 516	196, 090	219, 519	739, 175	352, 937	360, 363	969, 274	Pac.
2, 962	5, 153	3, 778	6, 018	17, 734	10, 514	4, 562	23, 077	Wash.
25, 178	33, 639	32, 750	33, 260	99, 943	48, 808	41, 466	121, 688	Oreg.
10, 087	17, 106	12, 102	17, 616	62, 327	12, 336	17, 980	50, 815	Calif.
33, 008	39, 625	29, 575	33, 810	99, 126	77, 714	75, 001	132, 280	Mont.
11, 830	17, 744	19, 218	17, 143	56, 356	29, 258	28, 277	71, 919	Idaho.
43, 635	43, 541	25, 679	33, 367	107, 716	63, 226	85, 134	193, 418	Ariz.
8, 874	13, 848	10, 535	9, 979	37, 337	17, 524	16, 295	55, 239	N. Mex.
24, 849	44, 004	36, 184	34, 069	132, 260	61, 328	52, 304	175, 504	Utah.
37, 083	49, 856	26, 271	34, 257	125, 376	32, 229	40, 654	145, 334	Wyo.
62, 363	108, 104	94, 159	81, 299	295, 360	234, 492	196, 687	488, 047	N. C.
17, 302	26, 690	25, 872	23, 572	74, 471	99, 196	67, 544	104, 626	Colo.
23, 343	40, 726	34, 216	30, 867	114, 985	67, 510	68, 198	213, 904	Wyo.
14, 494	26, 901	23, 551	18, 737	73, 755	43, 731	34, 612	102, 602	N. Mex.
7, 224	13, 697	10, 520	8, 123	32, 119	24, 055	26, 333	66, 915	Idaho.
117, 137	193, 000	166, 483	147, 803	548, 609	385, 584	310, 935	884, 158	W. S. C.
8, 046	14, 705	11, 949	9, 604	35, 508	28, 849	20, 626	60, 451	Ariz.
24, 013	36, 187	28, 900	31, 787	103, 918	58, 718	65, 070	165, 523	Wyo.
16, 011	25, 188	30, 425	21, 198	72, 717	60, 594	35, 742	109, 907	Okla.
69, 068	116, 920	95, 209	85, 214	336, 166	237, 423	180, 500	548, 277	Tex.
39, 292	70, 246	54, 777	53, 077	200, 899	104, 720	88, 929	304, 759	Pac.
4, 252	7, 470	6, 979	6, 105	21, 779	19, 026	15, 985	49, 770	Wash.
5, 819	8, 909	4, 479	5, 282	19, 561	10, 918	9, 449	26, 960	Oreg.
1, 204	2, 223	1, 855	1, 671	6, 144	4, 215	3, 654	14, 290	Calif.
14, 211	25, 483	23, 520	19, 920	75, 028	37, 435	27, 561	97, 063	Mont.
2, 522	4, 508	2, 313	3, 197	12, 482	4, 744	7, 752	26, 230	Idaho.
3, 824	8, 087	5, 407	5, 614	24, 023	9, 377	7, 729	29, 938	N. Mex.
6, 693	12, 150	9, 347	9, 994	37, 298	17, 681	14, 694	53, 059	Ariz.
767	1, 326	877	1, 294	4, 614	1, 324	2, 105	7, 399	Utah.
180, 559	287, 103	290, 139	290, 422	972, 051	546, 893	393, 324	1, 197, 847	Nev.
28, 780	45, 658	50, 537	44, 116	145, 511	79, 330	59, 509	188, 998	Pac.
15, 696	29, 314	24, 056	24, 315	94, 418	40, 580	38, 341	141, 162	Wash.
136, 083	212, 131	215, 546	221, 391	732, 122	426, 983	295, 474	867, 687	Oreg.

Source: Department of Commerce, Bureau of the Census; U. S. Census of Business: 1948, Vol. V.

No. 1083.—WHOLESALE TRADE—SALES AND STOCKS: 1939 TO 1955
[In millions of dollars]

YEAR	ALL ESTABLISHMENTS		NONDURABLE GOODS ESTABLISHMENTS		DURABLE GOODS ESTABLISHMENTS		Merchant wholesalers' sales
	Sales	Stocks end of period	Sales	Stocks end of period	Sales	Stocks end of period	
	1939	26,244	3,075	19,972	2,104	6,272	971
1940	28,919	3,255	21,408	2,187	7,511	1,068	24,914
1945	53,708	4,625	42,827	3,161	10,881	1,464	44,082
1950	103,896	10,474	69,700	5,616	34,196	4,858	88,662
1951	113,168	11,068	75,542	5,517	37,626	5,551	95,540
1952	112,325	11,310	76,351	5,769	35,974	5,541	94,783
1953	111,938	11,697	74,795	6,019	37,141	5,678	95,257
1954	109,294	11,562	74,500	6,102	34,794	5,460	92,645
1955	117,600	12,300	78,000	6,210	39,600	6,090	100,500

Source: Department of Commerce, Office of Business Economics; published in *Survey of Current Business*.

No. 1084.—WHOLESALE ADMINISTRATIVE OFFICES AND AUXILIARY UNITS—SUMMARY, BY TYPE OF OPERATION: 1948

TYPE OF OPERATION	Estab- lish- ments	Sales, entire year	Payroll, entire year	PAID EMPLOYEES AND PAYROLL WORKWEEK ENDED NEAREST NOV. 15		Stocks on hand, end of year, at cost
				Number	\$1,000	
					Employees	Payroll
United States, total	1,339	1,791,497	319,893	80,644	6,272,228	\$1,000 162,425
Merchant wholesalers	275	49,174	44,842	11,623	838,245	69,800
Manufacturers' sales branches (with stocks)	283	75,684	51,501	12,788	993,809	60,263
Manufacturers' sales offices (without stocks)	116	44,147	17,288	4,568	343,691	13,275
Petroleum bulk stations	607	1,586,628	193,214	48,377	3,854,890	15,646
Agents, brokers	16	9,116	6,592	1,608	126,603	2,714
Assemblers (mainly farm products)	42	26,778	6,506	1,680	114,990	727

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. V.

No. 1085.—CONSUMERS' COOPERATIVES, BY TYPE OF ASSOCIATION: 1950 AND 1954

TYPE OF ASSOCIATION	1950			1954		
	Number of associations	Number of members	Volume of business (\$1,000)	Number of associations	Number of members	Volume of business (\$1,000)
Credit unions	10,586	4,609,362	1,679,865	15,067	7,370,497	11,558,948
Electric power cooperatives ¹	906	3,251,901	219,871	907	3,953,299	316,187
Rural telephone cooperatives ²	20	31,672	(4)	163	258,726	(4)
Medical care prepayment plans with consumer voice ³	192	2,894,530	60,400	257	7,870,896	6,184,700
Consumer management	47	294,000	4,800	24	298,823	7,600
Union sponsored	14	433,650	4,400	73	2,773,035	73,200
Fraternal sponsored	(4)	(4)	(4)	18	219,188	2,200
Employer-employee sponsored	46	434,480	12,600	63	727,021	26,800
Employee sponsored	59	868,100	18,300	42	571,124	20,500
Community-wide	26	864,300	10,300	37	3,281,705	54,400
Housing	(4)	(4)	(4)	7281	721,951	7208,673
Insurance companies in Cooperative League Conference ⁴	(4)	(4)	(4)	8	800,000	6206,000
Farmers' cooperatives' supply business, net or retail ⁵	(4)	(4)	(4)			
Producers' goods	(4)	(4)	1,644,208	(4)	(4)	1,976,288
Petroleum products	2,848	(4)	366,013	4,500+	(4)	1,319,708
Meats and groceries	(4)	(4)	(4)	2,660	(4)	448,131
Other supplies	(4)	(4)	(4)	960	(4)	48,050
Associations principally engaged in supply business	3,208	2,842,878	(4)	3,372	3,251,731	(4)
Urban consumer cooperatives affiliated with regional wholesalers ⁶	(4)	(4)	(4)	47	75,000	34,380

¹ Loans outstanding end of year, Bureau of Federal Credit Unions.

² Figures represent energized electric distribution cooperatives borrowing from REA, consumers served by, and revenue.

³ Figures represent cooperatives borrowing from REA, and subscribers of cooperatives. ⁴ Not available.

⁵ Surveys of Independent Medical Care Plans by Department of Health, Education, and Welfare, 1949 and 1954. About 10 million workers were covered by collectively bargained health or insurance plans in 1954; of these, only about 3.5 million are shown in this table. ⁶ Total expenditures for benefit or operation.

⁷ Projects insured under Section 213 by Federal Housing Administration and number of dwelling units and value of mortgages, Jan. 1, 1955.

⁸ Cooperative League of U. S. A., *Yearbook 1954*. ⁹ Premium income, 1954.

¹⁰ Farmer Cooperative Service, Department of Agriculture, statistics for 1950-51 and 1953-54.

¹¹ Based on reports in cooperatives' periodicals and preliminary results from Northwestern University's study of cooperatives. A number of smaller urban societies are known to exist for which estimates are not possible.

Source: Department of Labor, Bureau of Labor Statistics (from sources indicated above).

No. 1086.—GREEN COFFEE ROASTED, INVENTORIES, AND IMPORTS: 1950 TO 1955
 [In thousands of standard bags of approximately 132 pounds. Excludes roasting by, and inventories held by, military services]

ITEM AND PERIOD	1950	1951	1953	1954	1955
COFFEE ROASTED¹					
Total	18,416	19,051	(2)	17,601	18,813
1st quarter	4,369	5,216	(2)	5,629	4,708
2nd quarter	4,313	4,387	(2)	3,873	4,589
3rd quarter	5,178	4,287	(2)	3,367	4,516
4th quarter	4,556	5,151	(2)	4,732	5,000
COFFEE INVENTORIES					
March 31	3,884	3,355	(2)	(2)	1,806
June 30	2,775	3,111	(2)	(2)	1,587
September 30	3,051	2,480	(2)	(2)	1,445
December 31	2,936	2,759	3,169	2,032	2,187
IMPORTS					
Total	18,424	20,302	21,018	17,078	19,641
1st quarter	4,949	6,669	5,873	6,123	4,499
2nd quarter	3,149	4,230	4,659	4,256	4,474
3rd quarter	5,875	3,746	4,901	2,509	4,431
4th quarter	4,451	5,657	5,585	4,190	6,237

¹ Includes 2,052,000 bags used for soluble coffee in 1954 and 2,323,000 bags used in 1955.

² Not available.

Source: Department of Commerce, Bureau of the Census; release.

No. 1087.—WHOLESALE DISTRIBUTORS STOCKS OF SPECIFIED CANNED FOODS: 1953 TO 1956

[In thousands of actual cases. As of January 1. Includes warehouses of retail multiunit organizations. Based on sample]

COMMODITY	TOTAL, ALL SIZES COMBINED				SIZES NO. 10 AND LARGER			
	1953	1954	1955	1956	1953	1954	1955	1956
	Total (30 commodities)	47,792	42,670	42,973	42,327	6,201	5,959	5,904
Vegetables, total	27,226	23,633	24,028	24,073	4,040	3,750	3,712	4,184
Asparagus	738	687	805	779	60	62	75	73
Beans, green and wax	3,065	3,404	3,415	3,231	586	746	736	679
Beans, lima	860	724	695	630	107	102	102	103
Beets	1,255	1,193	1,165	1,090	278	258	270	262
Carrots	490	447	422	417	177	166	159	177
Corn	5,244	4,446	4,702	4,560	515	444	427	467
Peas	4,843	3,988	3,805	3,620	576	538	482	509
Pumpkin and squash	861	570	468	610	126	91	74	100
Sauerkraut	759	760	738	859	90	88	86	112
Spinach	797	696	639	658	142	127	123	128
Tomatoes	4,665	3,467	3,611	4,055	622	519	563	737
Tomato catsup and chili sauce	2,307	1,944	2,104	2,303	369	274	301	457
Tomato puree (pulp)	841	685	750	675	366	309	295	354
Tomato sauce	506	622	709	586	26	26	19	26
Fruits, total	13,424	12,286	12,811	12,458	2,037	2,127	2,095	2,101
Apples	613	500	443	479	301	261	231	244
Applesauce	1,226	1,440	1,348	1,227	175	234	200	172
Apricots	868	792	768	803	196	168	168	198
Cherries, red-pitted	736	649	579	593	167	186	180	152
Cherries, sweet	340	370	307	285	43	47	45	48
Fruit cocktail ¹	1,264	1,314	1,368	1,311	148	173	193	189
Grapefruit segments	369	388	458	430				
Peaches	4,431	3,430	3,956	3,843	515	542	564	531
Pears	1,098	1,146	1,111	1,142	173	191	185	212
Pineapple	1,903	1,819	2,022	1,865	206	227	232	254
Plums	526	438	450	390	113	98	108	101
Juices, total	7,142	6,751	6,134	5,796	124	82	97	111
Citrus blends	441	456	433	377	3	2	2	2
Grapefruit	749	783	910	773	5	4	6	6
Orange	1,121	1,230	1,093	1,024	8	4	6	6
Pineapple	1,494	1,292	977	1,051	21	12	16	22
Tomato ²	3,337	2,990	2,721	2,571	87	60	67	75

¹ Includes fruits for salad and mixed fruits (except citrus).

² Includes vegetable juice combinations containing at least 70 percent tomato juice.

Source: Department of Commerce, Bureau of the Census; release.

DISTRIBUTION AND SERVICES

No. 1088.—SELECTED SERVICES—SUMMARY, BY KIND OF BUSINESS: 1939 AND 1948

[Covers establishments primarily engaged in providing personal, business and repair services, amusement or entertainment, and accommodations in hotels and tourist courts. 1939 figures adjusted to secure comparability with 1948]

KIND OF BUSINESS	ESTABLISHMENTS		RECEIPTS, ENTIRE YEAR		PAYROLL, ENTIRE YEAR		PAID EMPLOYEES AND PAYROLL, WORK WEEK ENDED NEAREST NOV. 15		UNINCORPORATED BUSINESSES	
	1939	1948	1939	1948	1939	1948	Employees	Payroll, 1948	Employees	Payroll, Nov. 1948
SELECTED SERVICES										
Personal, business, and repair services	Number	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	Number	Dollars	Number	Dollars
Amusements ³	550,550	2,973,532	8,578,162	911,248	2,871,214	936,271	1,342,496	56,828,486	579,433	54,610
Hotels	50,347	998,079	2,349,601	225,481	610,034	341,931	11,501,165	33,971	37,874	120,407
Tourist courts and camps	27,987	26,650	908,115	172,756	680,004	330,216	12,448,772	24,018	26,411	17,458
PERSONAL, BUSINESS, AND REPAIR SERVICES	I ⁴ , 521	36,722	195,505	4,226	604	9,988	16,972	421,889	13,365	27,715
Personal services, total	389,726	351,985	1,821,584	4,440,188	571,610	1,582,532	653,024	31,357,304	398,721	360,568
Barber, beauty shops	205,268	169,081	481,271	844,968	137,374	278,982	157,164	5,658,064	77,317	77,317
Barber shops	117,908	91,983	230,983	401,441	55,557	126,012	64,509	2,657,296	214,586	174,069
Beauty shops	83,071	23,670	74,496	143,274	70,783	87,290	2,907,787	124,586	95,970	10,849
Barber and beauty shops combined	4,199	2,591	18,618	22,957	7,321	9,696	5,365	193,601	85,419	75,111
Cleaning, dyeing plants	12,616	25,534	193,316	843,357	83,982	89,434	87,421	210,026	4,821	2,978
Funeral service, crematories	18,196	18,675	261,617	572,355	40,676	90,916	7,972,704	12,794	28,148	6,245
Laundries, laundry services	22,736	19,182	537,763	1,287,987	249,082	620,559	33,122	1,750,831	18,239	12,759
Power laundries (exc. power laundries of linen supply and diaper services) ⁴	7,491	6,763	913,086	283,023	501,646	566,528	329,758	11,809,071	25,038	10,133
Linen supply service		1,176	491,970	25,887	91,101	241,547	272,495	9,604,700	5,520	5,520
Daper service		384	45,783	80,861	7,515	17,751	39,177	1,731,942	675	675
Laundries (exc. power)	15,245	10,839	64,185	212,025	15,690	57,870	16,045	4,685	332	332
Photographic studios (inc. commercial photography)	10,957	14,712	316,294	316,611	67,704	55,024	27,699	1,206,855	12,097	4,019
Pressing, alteration, garment repair shops	54,696	47,888	138,294	320,148	21,478	59,197	31,655	41,883	54,504	53,313
Pressing, alteration, garment repair, etc. (exc. fin.)	52,516	45,564	140,578	2,334	45,513	8,507	37,488	1,244,842	52,398	47,401
Fur repair and storage shops, hat cleaning	2,180	2,180	12,676	2,294	2,294	2,294	4,405	214,854	2,166	2,382
Miscellaneous personal services	59,371	44,151	119,321	218,800	15,497	36,409	23,447	22,900	756,367	44,282
Sal-service laundries	(5)	12,762	20,807	124,006	55,557	31,555	6,743	673,098	5,728	5,728
Miscellaneous personal services, n.e.c.	(5)	8,523	(5)	65,409	(5)	11,975	(5)	10,373	(5)	8,633
Business services, total	26,188	32,007	46,912	1,629,515	199,464	701,226	13,491	242,982	13,572,326	23,181
Advertising	(5)	5,986	(5)	632,003	(5)	200,765	(5)	22,975	5,528,726	(5)
Consumer credit reporting agencies, etc.	2,676	48,135	121,913	23,238	60,376	18,956	26,625	1,108,851	4,430	5,966
									1,732	1,617

SERVICE ESTABLISHMENTS

Duplicating, addressing, blueprinting, etc.	450	3,082
Employment agencies, private	1,272	702,960
Newspaper syndicates	2,737	2,777
Services to dwellings and other buildings	3,102	12,949
Business services, n. e. c.	1,424	35,451
Auctioneers' establishments (service only)	14,844	11,919
Com-operated machine rental and repair services	970	95,225
Debt collection services	2,377	7,861
Decorative arts	3,323	70,721
Photo-finishing laboratories	14,636	258,466
Sign-painting shops	670	5,213
Telephone-answering service	1,302	30,576
Window-display service	4,215	287,887
Other business services, n. e. c.	6,145	1,211
Automobile repair services and garages, total	95,544	449,892
Automobile repair shops	66,776	1,561,109
General automobile repair shops	51,927	1,272,650
Battery and ignition repair and service shops	2,073	223,214
Glass-replacement and repair shops	1,300	10,228
Paint shops	1,089	1,079
Automobile repair shops	2,215	2,844
Top and body repair shops	10,525	8,222
Automobile repair shops, n. e. c.	1,442	4,656
Automobile rentals (without drivers)	648	1,011
Automobile storage, parking	11,095	5,535
Automobile services (exc. repair)	1,125	102,070
Miscellaneous repair services, total	75,262	224,205
Blacksmith shops	16,797	8,249
Electrical repair shops	15,644	22,567
Upholstery, furniture repair shops	9,685	47,835
Watch, clock, jewelry repair shops	12,485	10,267
Miscellaneous repair shops	20,661	28,287
Armature refinishing shops	978	2,023
Bicycle repair shops	1,601	1,283
Leather goods repair shops	2,168	3,560
Locksmith, gunsmith shops	2,252	1,518
Musical instrument repair shops	982	789
Repair shops, n. e. c.	12,670	23,114

¹ Includes Federal, State and local amusement, sales, and excise taxes collected directly from customer and paid directly to taxing agency.

² Includes paid executives of corporations but not proprietors of unincorporated businesses.

³ Includes motion picture theaters.

⁴ Power laundries include industrial laundries.

⁵ Not available.
⁶ Includes miscellaneous advertising service, news syndicates, miscellaneous service to dwellings, etc., and telephone-answering service.

Source: Department of Commerce, Bureau of the Census: U. S. Census of Business, 1948, Vol. VII.

No. 1089.—SELECTED SERVICES—SUMMARY, BY STATES: 1954

[Preliminary. For comparability with 1948 data, see text, 842]

DIVISION AND STATE	Estab- lishments	Receipts	Payroll, entire year	Paid em- ployees, work- ing week ended nearest Nov. 15	Propri- tors ¹	KIND-OF-BUSINESS GROUP					
						Personal services		Automobile repair services, garages		All other selected services ²	
						Estab- lishments	Receipts	Estab- lishments	Receipts	Estab- lishments	Receipts
U. S.	786,178	\$1,000 23,408,414	\$1,000 6,486,968	2,351,278	784,005	349,317	5,781,298	94,422	2,213,829	342,439	\$1,000 15,413,287
N. E.	51,096	1,173,305	328,313	129,769	47,565	24,859	360,287	5,171	127,417	21,066	685,601
Maine	5,309	87,172	22,264	9,704	4,830	1,942	21,580	631	11,364	2,736	54,248
N. H.	4,054	68,562	17,267	6,464	3,901	1,512	16,383	381	8,152	2,161	44,027
Vt.	2,012	34,381	8,225	3,698	1,880	651	7,579	242	4,407	1,119	22,395
Mass.	24,630	625,534	178,745	69,872	22,657	13,132	196,119	2,315	60,027	19,189	372,388
R. I.	4,579	98,852	26,272	11,388	4,453	2,462	32,426	481	10,600	1,636	55,826
Conn.	10,506	255,804	75,540	28,643	9,844	5,160	86,220	1,121	32,867	4,225	136,717
M. A.	171,503	7,015,137	1,829,105	583,220	166,604	86,299	1,418,784	17,406	476,770	67,803	5,119,583
N. Y.	92,226	4,943,034	1,239,043	368,067	88,112	46,213	803,338	7,653	234,270	88,360	3,905,696
N. J.	27,408	800,324	250,447	81,164	26,434	13,483	238,705	3,102	79,389	10,823	482,230
Pa.	51,874	1,271,509	339,615	133,989	52,058	26,603	376,741	6,651	163,111	18,620	731,057
E. N. C.	151,951	4,918,386	1,333,940	471,509	151,793	69,625	1,274,233	17,400	444,253	64,926	3,199,900
Ohio	41,594	1,141,082	324,528	119,269	40,813	19,248	327,944	5,176	119,988	17,170	683,140
Ind.	16,664	392,389	115,852	48,388	16,628	7,827	155,535	2,195	46,922	6,642	209,932
Ill.	46,785	1,990,379	527,277	168,923	47,034	22,637	438,807	4,720	144,962	19,128	1,406,520
Mich.	29,771	1,020,773	268,735	93,103	30,555	13,114	263,079	3,524	98,504	13,133	658,200
Wis.	17,137	373,763	97,548	40,826	16,763	6,499	107,878	1,785	33,777	8,853	232,108
W. N. C.	76,661	1,631,180	403,287	174,360	77,645	30,951	437,197	10,421	189,415	35,289	1,004,568
Minn.	15,653	370,626	93,905	37,284	15,700	5,702	87,237	1,766	38,904	8,185	250,485
Iowa	14,118	233,061	53,194	25,374	14,353	5,880	73,870	2,024	30,190	6,214	128,902
Mo.	21,842	589,156	157,253	62,661	21,994	9,618	153,767	2,928	62,959	9,296	372,430
N. Dak.	2,830	43,522	9,159	4,767	2,892	1,048	12,515	363	5,205	1,419	26,102
S. Dak.	3,344	40,625	8,863	5,291	3,388	1,163	13,274	493	7,064	1,688	29,287
Nebr.	7,682	152,776	35,667	17,036	7,835	2,986	38,853	1,093	18,065	3,583	96,858
Kans.	11,212	185,114	44,241	21,947	11,483	4,554	57,672	1,754	27,028	4,904	100,414
S. A.	91,735	2,386,564	675,690	300,129	90,259	39,889	696,746	11,277	253,303	40,569	1,436,515
Del.	1,856	47,223	12,704	4,864	1,766	922	12,803	189	4,005	745	30,415
Md.	10,607	292,895	87,454	35,783	10,289	5,049	90,221	1,200	29,479	4,358	173,195
D. C.	4,817	230,088	77,456	28,107	4,448	2,502	60,615	405	18,192	1,910	151,281
Va.	11,874	287,912	89,931	42,131	11,465	5,431	100,508	1,431	31,699	5,012	155,705
W. Va.	6,383	125,806	36,827	17,320	6,124	3,096	42,860	725	12,512	2,562	70,434
N. C.	14,303	307,478	83,095	42,389	14,284	6,570	112,171	2,113	38,822	5,620	156,485
S. C.	6,466	124,373	34,471	19,334	6,241	2,990	45,305	1,039	17,828	2,437	55,240
Ga.	12,137	318,128	85,090	42,588	11,919	5,647	96,410	1,774	36,996	4,716	184,722
Fla.	23,292	652,661	168,662	67,813	23,714	7,682	132,853	2,401	63,770	13,209	456,038
E. S. C.	34,413	776,851	221,662	111,522	34,880	15,812	264,603	4,427	89,047	14,144	423,201
Ky.	9,178	211,399	57,077	27,653	9,422	4,176	73,966	1,139	23,465	3,863	113,968
Tenn.	11,077	283,902	85,280	39,932	11,322	4,805	99,082	1,484	31,237	4,748	162,583
Ala.	8,806	180,155	52,481	27,848	8,867	4,314	62,989	1,226	24,334	3,356	92,832
Miss.	5,262	101,395	26,824	16,089	5,259	2,487	37,566	598	10,011	2,177	53,818
W. S. C.	73,879	1,621,279	434,020	200,090	74,540	31,183	460,179	10,444	202,838	32,252	958,262
Ark.	7,008	112,143	28,674	15,720	7,308	2,961	37,188	953	13,782	3,184	61,173
La.	10,006	273,458	72,187	33,006	9,850	4,529	67,352	1,233	26,583	4,244	170,523
Oklahoma	12,781	233,584	61,583	27,721	13,009	5,449	66,771	1,899	34,266	5,433	132,647
Tex.	43,904	1,002,094	271,576	123,645	44,373	18,244	288,568	6,359	128,207	19,391	585,019
Mt.	32,882	852,819	232,234	87,793	34,231	10,922	178,943	4,033	84,268	17,927	589,608
Mont.	3,575	65,378	14,942	6,748	3,702	1,197	10,663	409	7,407	1,969	41,308
Idaho	2,959	61,418	14,800	6,418	3,081	976	15,378	384	6,772	1,599	39,268
Wyo.	2,273	46,968	11,157	4,350	2,423	641	10,183	222	3,906	1,410	32,879
Colo.	8,985	227,933	60,592	23,202	9,358	3,063	51,734	1,106	25,136	4,816	151,063
N. Mex.	4,186	83,704	19,453	8,979	4,376	1,444	22,152	534	11,080	2,208	50,562
Ariz.	5,600	119,085	30,733	13,426	5,822	1,784	30,206	746	14,805	3,070	74,074
Utah	3,427	84,473	20,543	8,685	3,410	1,321	20,457	460	9,490	1,646	54,526
Nev.	1,877	163,770	60,014	15,958	2,059	496	12,170	172	5,672	1,209	145,928
Pac.	102,053	3,032,893	1,028,717	292,886	106,497	39,747	690,326	13,843	346,518	48,463	1,996,049
Wash.	14,148	328,058	90,780	32,793	14,558	5,352	87,688	1,966	44,204	6,830	196,166
Oreg.	10,016	216,630	55,504	20,268	10,712	3,410	53,717	1,347	30,650	5,250	132,263
Calif.	77,889	2,485,208	882,433	239,825	81,227	30,976	548,921	10,530	271,664	36,383	1,667,620

¹ Unincorporated businesses only.² Comprises business services, miscellaneous repair services, amusement and recreation services, motion pictures, hotels, tourist courts, motels, and camps.

Source: Department of Commerce, Bureau of the Census; 1954 Census of Business, Selected Services, Series PS-1-1.

SERVICE ESTABLISHMENTS

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No. 1090.—PERSONAL, BUSINESS, AND REPAIR SERVICES—SUMMARY, BY STATES: 1948

[For kinds of personal, business, and repair services covered, see table 1088]

DIVISION AND STATE	Estab- lish- ments	Re- ceipts, entire year	Payroll, entire year ¹	UNINCORPORATED BUSINESSES		PAID EMPLOYEES, WORKWEEK ENDED NEAREST NOV. 15 ¹		PAYROLL, WORK- WEEK ENDED NEAREST NOV. 15 ¹	
				Active proprie- tors, Novem- ber	Unpaid family workers, Novem- ber	Total	Full work- week	Total	Full work- week
United States	Number 559,559	\$1,000 8,578,162	\$1,000 2,871,214	Number 574,610	Number 120,407	Number 1,342,496	Number 1,198,415	Dollars 56,828,486	Dollars 54,265,693
New England	38,709	507,270	158,981	38,210	6,247	79,199	69,324	3,071,432	2,901,483
Maine	3,129	30,618	8,346	3,077	549	4,673	4,121	159,328	150,444
New Hampshire	2,167	22,155	5,880	2,210	410	3,309	2,846	113,254	105,289
Vermont	1,426	11,724	2,833	1,428	234	1,698	1,484	54,919	51,394
Massachusetts	19,586	280,002	91,352	19,385	3,074	45,204	39,675	1,762,633	1,665,799
Rhode Island	3,771	45,102	13,956	3,740	672	6,866	6,085	266,137	253,211
Connecticut	8,330	117,669	36,584	8,370	1,318	17,359	15,114	715,161	675,346
Middle Atlantic	141,838	2,395,360	838,066	144,817	27,691	346,084	311,121	16,499,694	15,835,791
New York	77,310	1,541,959	576,390	78,310	13,726	217,725	196,416	11,278,163	10,805,709
New Jersey	22,249	313,030	99,540	22,595	5,215	45,689	40,974	1,989,324	1,898,435
Pennsylvania	42,279	540,371	162,136	43,912	8,750	82,670	73,731	3,232,207	3,066,647
East North Central	110,159	1,848,908	638,458	112,836	23,329	276,381	242,187	12,573,262	11,948,430
Ohio	28,990	437,447	145,688	29,316	6,016	67,452	59,149	2,867,662	2,722,431
Indiana	13,640	184,299	57,387	14,102	2,746	29,207	25,730	1,147,394	1,091,344
Illinois	35,218	706,502	259,680	36,155	7,778	101,515	89,956	5,070,278	4,846,328
Michigan	21,376	367,268	180,266	22,220	4,582	55,872	48,316	2,590,522	2,442,991
Wisconsin	10,935	153,392	45,437	10,953	2,207	22,335	10,037	897,406	845,395
West North Central	53,593	652,463	189,848	55,805	10,532	98,285	85,903	3,788,730	3,587,210
Minnesota	10,104	134,571	40,767	10,503	1,706	19,521	16,827	824,057	778,693
Iowa	9,851	108,486	28,085	10,378	1,868	14,764	12,809	558,736	529,209
Missouri	16,243	225,519	74,378	16,553	3,154	37,463	33,074	1,458,508	1,384,336
North Dakota	1,955	16,916	3,682	2,068	318	2,312	1,985	80,948	75,356
South Dakota	2,087	19,521	4,745	2,150	492	2,739	2,328	95,715	88,922
Nebraska	5,342	63,434	16,143	5,639	1,011	9,040	7,862	325,850	308,359
Kansas	8,011	83,716	22,048	8,514	1,988	12,446	11,018	444,910	422,245
South Atlantic	58,652	879,003	305,536	58,832	12,741	176,247	160,688	6,096,164	5,856,641
Delaware	1,193	15,609	4,794	1,180	287	2,521	2,307	94,407	91,451
Maryland	7,910	121,055	40,056	7,987	1,409	20,350	18,335	791,064	757,009
District of Columbia	5,589	88,430	34,855	3,414	719	16,267	14,570	679,868	650,190
Virginia	7,944	120,811	41,796	7,914	1,460	25,015	22,620	832,424	797,447
West Virginia	4,476	59,395	19,541	4,443	937	10,836	9,880	391,287	375,641
North Carolina	9,571	129,426	45,859	9,873	2,121	30,051	27,640	933,400	900,137
South Carolina	4,574	58,062	19,659	4,538	1,080	13,922	12,684	392,849	376,317
Georgia	9,121	130,909	46,597	9,148	1,094	28,936	26,412	937,340	902,071
Florida	10,324	155,306	52,379	10,335	2,764	28,440	26,240	1,043,525	1,006,378
East South Central	26,349	354,784	118,323	27,208	6,502	74,834	68,465	2,348,022	2,260,489
Kentucky	6,806	93,329	28,560	7,321	1,484	16,654	15,081	568,597	545,242
Tennessee	7,960	123,577	43,253	8,134	1,965	26,189	24,327	854,424	839,239
Alabama	6,982	90,590	31,037	7,036	1,739	20,663	18,901	616,659	591,470
Mississippi	4,601	47,288	15,473	4,717	1,314	11,328	10,156	308,342	294,538
West South Central	50,993	634,099	198,923	52,807	14,698	115,693	105,206	4,036,649	3,869,215
Arkansas	5,276	49,130	14,965	5,480	1,310	10,134	9,355	304,149	293,850
Louisiana	6,692	90,866	30,502	6,765	1,695	18,479	17,002	613,628	599,231
Oklahoma	9,301	101,279	20,209	9,888	2,633	16,551	14,960	591,455	566,389
Texas	29,724	392,824	124,247	30,674	9,060	70,520	63,889	2,527,417	2,419,736
Mountain	17,008	233,338	70,038	17,999	4,440	36,176	31,965	1,401,034	1,331,398
Montana	1,942	23,823	6,237	2,122	356	3,229	2,824	125,063	116,294
Idaho	1,867	23,069	6,121	2,010	481	3,164	2,815	120,888	115,527
Wyoming	923	12,356	3,569	993	264	1,860	1,669	73,784	70,635
Colorado	5,117	72,783	22,859	5,368	1,236	12,083	10,491	454,615	431,465
New Mexico	1,987	24,661	7,318	2,096	652	4,140	3,820	148,052	143,127
Arizona	2,300	34,413	10,959	2,305	759	5,425	4,876	218,070	208,368
Utah	2,232	31,111	9,300	2,334	526	4,710	3,968	186,131	173,622
Nevada	640	11,122	3,675	681	166	1,565	1,472	74,481	72,360
Pacific	62,258	1,072,937	353,041	66,096	14,227	139,407	123,556	7,013,499	6,675,036
Washington	8,787	134,550	44,127	9,172	1,811	17,602	15,283	866,637	812,980
Oregon	5,898	96,727	29,902	6,365	1,257	12,416	11,218	608,176	581,612
California	47,573	841,660	279,012	50,559	11,159	109,470	97,055	5,538,686	5,280,444

¹ Includes paid executives of corporations but not proprietors of unincorporated businesses.

No. 1091.—RECEIPTS OF SELECTED SERVICE TRADES: 1948 AND 1953

(Based on representative group of establishments. Minus sign (—) denotes decrease)

KIND OF BUSINESS	1948	1953	Percent increase, 1948 to 1953	KIND OF BUSINESS	1948	1953	Percent increase, 1948 to 1953
Personal services, total	\$1,000 4,440,189	\$1,000 5,354,856	21	Automobile repair services and garages, total	\$1,000 1,561,109	\$1,000 2,112,253	35
Barber shops	404,441	499,772	24	Miscellaneous repair services, total	947,351	1,361,488	44
Beauty shops	417,570	497,046	19	Radio and television repair shops	100,679	300,019	207
Shoe repair shops	202,176	192,946	-5	Watch, clock, and jewelry repair	86,401	111,912	30
Power laundries	835,964	898,421	7	Other miscellaneous repair shops	760,271	940,557	24
Cleaning and dyeing plants (exc. rug cleaning)	807,673	1,128,738	40				
Self-service laundries	65,409	117,672	80				
Pressing, alteration, garment repair (exc. fur)	320,148	278,240	-13				
Other personal services	1,386,808	1,742,012	26				

Source: Department of Commerce, Bureau of the Census; release.

No. 1092.—AMUSEMENTS—SUMMARY, BY KIND OF BUSINESS: 1948

[Covers establishments primarily engaged in providing amusement or entertainment. Excludes establishments operated by educational institutions, religious bodies, fraternal groups, government agencies and nonprofit organizations]

KIND OF BUSINESS	Establishments	Receipts (exc. taxes), entire year	Taxes ¹	Payroll, entire year ²	UNINCORPORATED BUSINESSES		PAID EMPLOYEES AND PAYROLL, WORKWEEK ENDED NEAREST NOV. 15 ³	
					Active proprietors, Nov.	Unpaid family workers, Nov.	Employees	Payroll
United States	Number 50,347	\$1,000 2,349,601	\$1,000 323,396	\$1,000 610,034	Number 37,874	Number 17,458	Number 341,931	Dollars 11,551,185
Motion picture theaters	18,631	1,352,880	261,402	302,511	8,488	6,004	187,031	5,732,102
Bands, orchestras, and entertainers	2,026	28,509	(*)	17,066	1,742	122	10,335	367,166
Bowling alleys, billiard and pool parlors	14,166	202,761	1,364	64,315	13,760	3,448	76,543	1,553,552
Billiard and pool parlors	9,661	65,435	442	12,413	9,588	2,007	9,766	265,290
Bowling alleys	4,505	137,276	922	51,902	4,172	1,441	66,777	1,288,262
Dance halls, studios, and schools	1,074	32,998	4,207	9,879	1,018	865	8,597	104,177
Race track operation, total	198	177,032	10,873	35,588	85	33	7,615	503,890
Sports promoters and commercial operators	6,518	169,964	23,369	57,553	5,869	4,420	17,106	943,882
Baseball and football clubs, athletic fields, sports promoters	589	110,655	20,142	42,803	164	35	8,885	710,493
Baseball clubs (inc. promoters)	357	65,062	12,121	28,394	34	10	3,066	166,272
Football clubs (inc. promoters)	21	10,239	1,761	5,464	5	-----	1,047	305,480
Stadiums, athletic fields, promoters of boxing, wrestling, and other athletic events	211	35,354	6,260	8,945	125	25	4,772	238,732
Bathing beaches	261	3,849	229	1,014	234	277	200	6,775
Golf courses	325	8,304	64	2,501	252	157	900	36,195
Riding academies	709	5,180	17	1,145	669	460	698	21,933
Skating rinks	1,424	19,775	2,144	5,283	1,409	1,237	4,783	115,512
Swimming pools	499	6,670	668	1,838	381	371	444	12,090
Commercial sports operators, n. e. c.	2,711	15,531	105	2,969	2,760	1,883	1,286	40,884
Theaters and theatrical producers (exc. motion picture)	1,426	133,902	(*)	56,803	1,236	143	13,288	1,139,381
Miscellaneous amusement and recreation services	6,308	251,555	11,777	66,369	5,676	2,423	21,326	1,027,035
Amusement devices	1,604	22,953	1,447	4,703	1,083	704	1,096	38,310
Amusement parks	368	38,660	3,388	12,237	270	221	2,703	101,926
Shooting galleries	181	1,581	5	339	140	56	139	5,333
Coin-operated amusement device services	2,447	97,460	1,731	20,232	2,596	555	7,265	385,079
Misc. amusement and recreation services, n. e. c. ⁴	1,708	90,901	5,206	28,858	1,587	887	10,118	499,287

¹ Consists of Federal, State and local amusement, sales and excise taxes collected directly from customer and paid directly to taxing agency.² Includes paid executives of corporations but not proprietors of unincorporated businesses.³ Withheld to avoid disclosure of individual operations.⁴ Includes legalized gambling operations. Net revenues of pari-mutuel betting at race tracks included in "Race track operation."

Source: Department of Commerce, Bureau of the Census; U. S. Census of Business: 1948, Vol. VII.

No. 1093.—MOTION PICTURE THEATERS—NUMBER OF THEATERS, ADMISSIONS, AND RECEIPTS, BY REGIONS: 1948 AND 1953

[Excludes data for outdoor theaters. Minus sign (−) denotes decrease. Based on sample; see source for sampling variability]

SUBJECT	United States	REGIONS ¹				Large circuits ²
		North-east	North Central	South	West	
THEATERS						
Number: ³						
1948	17,689	3,646	5,587	6,020	2,436	(4)
1953	15,504	3,065	4,710	5,314	2,415	3,030
Percent change, 1948 to 1953	-12.4	-15.9	-15.7	-11.7	-0.9	-----
ADMISSIONS AND SEATING CAPACITY						
Number of admissions: ⁴						
1948	1,000	3,351,778	1,025,145	946,223	953,143	427,267
1953	do	2,120,012	529,371	546,512	718,315	325,814
Percent change, 1948 to 1953		36.7	-48.4	-42.2	-24.6	-23.7
Seating capacity:						
1948	1,000	11,701	3,206	3,474	3,304	1,627
1953	do	10,327	2,659	2,898	3,190	1,571
Percent change, 1948 to 1953		-11.7	-19.3	-16.6	-3.2	-3.4
Average seating capacity per theater:						
1948		661	904	622	549	668
1953		866	885	615	602	651
Percent change, 1948 to 1953		0.8	-4.0	-1.1	9.7	-2.5
RECEIPTS						
Total receipts from customers, incl. taxes:						
1948	\$1,000	1,550,614	512,042	432,982	362,375	243,215
1953	do	1,152,220	306,794	298,302	335,817	211,307
Percent change, 1948 to 1953		-25.7	-40.1	-31.1	-7.3	-13.1
From admissions:						
1948	\$1,000	1,209,922	414,570	335,699	275,830	183,823
1953	do	869,603	242,993	223,896	247,888	154,826
Percent change, 1948 to 1953		-28.1	-41.4	-33.3	-10.1	-15.8
From admission taxes, total, 1953	\$1,000	183,056	51,200	46,347	53,535	31,974
Federal	do	170,575	47,983	43,824	48,043	30,725
Direct receipts from customers: ⁵						
1948	\$1,000	85,815	9,843	27,288	27,761	20,923
1953	do	99,501	12,601	28,059	34,394	24,507
Percent change, 1948 to 1953		16.0	28.0	2.8	23.9	57,684

¹ See map, page XVI. ² Operating 11 or more theaters as reported in the 1948 Census of Business.

³ As of December 31. ⁴ Not available.

⁵ For 1948, total number of admissions; for 1953, total number of paid admissions.

⁶ Includes direct sale of candy, popcorn, etc.; excludes sales by independent concessionaires and revenues from such concessionaries.

Source: Department of Commerce, Bureau of the Census; 1953 Report on Motion Picture Theaters.

No. 1094.—CLEANING AND DYEING PLANTS, AND POWER LAUNDRIES—NUMBER OF ESTABLISHMENTS AND RECEIPTS: 1948 AND 1953

[Excludes plants primarily engaged in rug cleaning. Minus sign (−) denotes decrease. Based on sample; see source for sampling variability]

ITEM	CLEANING AND DYEING PLANTS			POWER LAUNDRIES		
	1948	1953	Percent	1948	1953	Percent
Number of establishments: ¹	24,017	30,499	-----	6,395	6,206	-----
Increase, 1948 to 1953		6,482	27		-189	-3
Receipts (\$1,000):						
All establishments	807,673	1,128,738	-----	835,964	898,421	-----
Increase, 1948 to 1953		321,065	40		62,457	7
Reporting distribution between cash-and-carry and delivered work receipts						
Cash-and-carry work	1,042,597	100.0	-----	842,922	100.0	-----
Delivered work ²	607,385	58.3	-----	183,038	21.7	-----
Other receipts	420,280	40.3	-----	639,868	75.9	-----
Reporting distribution between cleaning and pressing and laundry work receipts	14,932	1.4	-----	20,016	2.4	-----
Cleaning and pressing work	1,100,100	100.0	-----	874,503	100.0	-----
Laundry work	1,015,638	92.4	-----	172,336	19.7	-----
Other receipts	67,559	6.1	-----	679,065	77.7	-----
	16,908	1.5	-----	23,102	2.6	-----

¹ Excludes branch outlets. ² Includes wholesale work.

Source: Department of Commerce, Bureau of the Census; 1953 Report on Cleaning and Laundering.

DISTRIBUTION AND SERVICES

No. 1095.—POWER LAUNDRIES, CLEANING AND DYEING ESTABLISHMENTS, AND RUG CLEANING ESTABLISHMENTS—SUMMARY: 1919 TO 1948

[All money figures in thousands of dollars. Statistics for 1948 cover establishments reporting receipts of \$500 or more; statistics for 1939 cover establishments reporting receipts of \$100 or more; for preceding specified census years statistics cover establishments reporting receipts of \$5,000 or more. The Business Censuses of 1948 and 1939 classified establishments shown in this table as service establishments. Statistics for 1935 and earlier years were compiled in connection with the Census of Manufactures. Rug cleaning was treated, in general, as an activity of the power laundry industry for 1929 and earlier years.]

YEAR	Number of establishments	Proprietors and firm members	Salaried employees	Wage earners ¹ (average for year)	Salaries ¹	Wages ¹	Cost of supplies, fuel, and purchased electric energy	Cost of contract work	Receipts for work done
Power laundries:									
1919	4,881	(2)	(2)	130,480	(2)	91,926	52,842	1,555	233,816
1925	4,859	3,851	15,412	160,200	31,613	162,466	55,407	1,107	362,205
1929	6,776	5,220	21,964	233,187	49,833	228,861	80,265	(3)	541,158
1935	6,316	4,244	19,920	208,354	34,586	154,791	62,796	2,356	369,452
1939	6,778	5,174	(4)	4240,008	(3)	5 233,606	(2)	(3)	453,579
1948	6,783	5,569	(4)	4 272,495	(3)	5 501,646	(2)	(3)	913,036
Cleaning and dyeing establishments:									
1919	1,748	(2)	(2)	18,408	(2)	17,866	11,511	461	53,183
1925	2,406	2,263	5,769	29,386	10,550	37,690	15,188	814	102,394
1929	5,296	4,912	9,244	59,148	20,390	75,931	26,837	(3)	201,255
1935	5,510	4,980	9,334	57,286	12,483	49,792	21,656	1,129	130,657
1939	11,604	11,845	(4)	4 82,810	(3)	5 80,014	(2)	(3)	182,608
1948	24,017	26,601	(4)	4 203,867	(3)	5 385,155	(2)	(3)	807,673
Rug cleaning establishments:									
1935	506	395	670	2,344	1,136	2,260	1,211	90	8,001
1939	1,012	949	(4)	4 3,429	(3)	5 3,968	(2)	(2)	10,618
1948	1,517	1,547	(4)	4 6,159	(3)	5 14,279	(2)	(2)	36,684

¹ Includes data for paid executives of corporations but not for proprietors of unincorporated businesses.

² No comparable data. ³ Included in figure for cost of supplies, fuel, and purchased electric energy.

⁴ Data for "Salaried employees" included in "Wage earners (average for year)." 1948 data covered all paid employees who were on the payroll during the November 15 workweek.

⁵ Data for "Salaries" included in "Wages."

Source: Department of Commerce, Bureau of the Census; Biennial Census of Manufactures reports for 1935 and earlier years; 1939 *Census of Business*, Vol. III; and U. S. *Census of Business: 1948*, Vol. VII.

No. 1096.—HOTELS—SUMMARY, 1929 TO 1948, AND BY SIZE, 1948

[Covers commercial establishments known to the public as hotels and primarily engaged in providing lodging, or lodging and meals, to the general public. For 1935, 1939, and 1948 hotels having less than 6 guest rooms or receipts of less than \$500 for a full year's operations were excluded]

YEAR	Number of hotels	Number of guest rooms	Receipts (\$1,000)	Paid employees ¹	Total payroll ¹ (\$1,000)
All hotels:					
1939	27,987	1,444,300	863,155	338,029	243,228
1948	29,650	1,549,823	2,172,756	398,293	660,004
Year-round hotels with 25 or more guest rooms:					
1929	11,873	1,005,684	873,508	267,903	232,137
1933	10,680	890,866	398,674	190,183	118,489
1935	11,373	934,661	565,317	234,491	158,400
1939	14,084	1,143,704	759,084	303,621	224,877
1948	14,547	1,192,728	1,854,806	370,422	591,529

ITEM	SIZE OF HOTEL, 1948				
	Less than 25 rooms	25 to 49 rooms	50 to 99 rooms	100 to 299 rooms	300 rooms or more
Number of hotels	12,307	8,679	5,268	2,862	534
Receipts	\$1,000	157,271	220,449	341,132	681,888
Active proprietors of unincorporated businesses		12,618	8,383	3,092	1,324
Paid employees ¹		21,082	34,281	50,980	134,450
					148,491

¹ Includes data for paid executives of corporations but not for proprietors of unincorporated businesses. For 1929, 1933, and 1935, average based on number of employees for April, July, October, and December; for 1939, average for year; for 1948, number for workweek ending nearest Nov. 15.

² Excludes California.

Source: Department of Commerce, Bureau of the Census; 1939 *Census of Business*, Vol. III, and U. S. *Census of Business: 1948*, Vol. VI.

No. 1097.—HOTELS—SUMMARY, BY STATES: 1948

[See headnote, table 1096]

DIVISION AND STATE	Hotels	Guest rooms	Active proprietors, ¹ November	Payroll, entire year ²	RECEIPTS, ENTIRE YEAR				PAID EMPLOYEES AND PAYROLL, WORKWEEK ENDED NEAREST NOV. 15	
					Total	Room rentals and sales of meals ³	Sales of alcoholic drinks	Other sources	Employees	Payroll
					\$1,000	\$1,000	\$1,000	\$1,000	Number	\$1,000
United States	Number 29,650	Number 1,549,823	Number 26,411	\$1,000 660,004	\$1,000 2,172,756	\$1,000 1,762,905	\$1,000 248,441	\$1,000 161,410	Number 398,293	\$1,000 12,449
Year-roundhotels	24,448	1,343,081	21,116	614,538	1,981,626	1,592,104	237,393	152,069	389,025	12,127
Seasonal hotels	5,202	206,742	45,466	191,130	170,741	11,048	9,341	9,268	9,268	322
New England	2,192	94,233	1,810	42,572	143,273	111,034	24,981	7,258	22,705	690
Maine	462	17,699	411	4,796	17,975	13,944	3,059	972	2,517	65
New Hampshire	460	15,446	459	3,962	15,096	13,206	1,158	672	1,377	35
Vermont	221	6,670	173	2,304	8,318	6,623	1,267	428	1,308	35
Massachusetts	665	35,302	454	22,004	70,503	53,433	13,409	3,601	12,457	393
Rhode Island	86	4,822	76	2,660	8,481	6,167	2,029	285	1,352	46
Connecticut	285	14,294	237	6,846	22,900	17,601	3,999	1,300	3,694	116
Middle Atlantic	5,058	342,628	4,615	194,325	610,165	488,771	87,745	33,649	99,049	3,443
New York	2,664	220,637	2,324	134,701	409,571	330,831	55,470	23,270	64,373	2,389
New Jersey	1,170	60,322	1,112	24,322	83,655	69,614	10,538	3,503	11,842	390
Pennsylvania	1,224	61,669	1,179	35,302	116,939	88,826	21,737	6,876	22,834	663
East North Central	4,545	286,264	3,949	131,221	418,125	327,413	56,735	33,977	79,349	2,555
Ohio	766	52,889	553	29,902	92,320	72,235	13,499	6,586	19,337	591
Indiana	522	26,796	439	10,539	35,606	28,790	4,289	2,527	7,678	208
Illinois	1,259	117,284	1,003	57,848	171,403	138,538	17,467	15,398	31,664	1,125
Michigan	1,186	58,929	1,129	20,627	73,946	54,839	12,587	6,520	13,237	412
Wisconsin	862	30,366	825	12,305	44,850	33,011	8,893	2,946	7,433	219
W. North Central	3,303	145,270	3,115	49,716	170,446	142,678	14,960	12,808	36,172	1,003
Minnesota	818	33,479	579	12,090	40,690	32,889	4,838	2,963	7,460	236
Iowa	442	21,082	398	6,991	23,782	21,053	1,010	1,719	5,678	138
Missouri	818	45,621	703	18,434	50,321	48,421	6,404	4,406	12,812	380
North Dakota	219	7,648	226	1,857	8,368	6,387	1,122	859	1,544	38
South Dakota	194	6,535	108	1,439	5,841	5,093	270	478	1,186	31
Nebraska	347	14,348	328	4,985	17,834	15,395	1,210	1,229	4,088	99
Kansas	465	16,557	460	3,920	14,610	13,440	106	1,064	3,475	81
South Atlantic	3,697	187,590	3,094	75,285	268,231	231,321	17,099	19,811	52,721	1,451
Delaware	71	1,981	72	1,380	4,638	2,784	972	882	873	236
Maryland	262	11,159	231	5,668	19,358	14,775	3,042	1,541	4,026	103
Dist. of Columbia	100	16,699	63	13,465	40,931	32,287	5,027	3,617	7,884	268
Virginia	447	19,839	353	9,619	32,091	28,575	777	2,739	7,178	175
West Virginia	255	11,453	197	4,022	14,630	13,275	234	1,211	3,847	104
North Carolina	405	18,805	319	5,837	21,987	20,612	268	1,109	4,937	110
South Carolina	196	7,877	155	2,629	9,076	9,058	183	441	2,351	47
Georgia	346	17,878	270	6,570	25,109	21,182	1,485	2,442	6,282	129
Florida	1,615	81,890	1,434	25,495	93,811	88,778	5,114	5,919	15,463	490
East South Central	1,035	47,838	863	18,879	67,471	58,512	2,864	6,095	17,348	363
Kentucky	308	13,311	281	5,480	19,186	16,097	1,525	1,504	4,421	105
Tennessee	323	16,427	263	6,653	23,628	20,919	285	2,419	6,422	131
Alabama	214	9,386	173	3,606	13,285	11,484	737	1,064	3,519	71
Mississippi	190	8,714	146	3,110	11,377	10,012	317	1,048	2,986	62
W. South Central	2,705	110,826	2,231	37,456	132,472	111,953	4,481	16,038	31,250	750
Arkansas	319	12,094	303	3,632	18,329	16,549	1,195	1,585	3,427	74
Louisiana	287	12,452	221	6,478	22,953	17,813	2,908	2,232	5,494	123
Oklahoma	607	23,308	530	5,412	17,751	16,002	1,222	1,627	4,442	109
Texas	1,492	62,972	1,171	21,934	78,439	66,589	1,256	10,594	17,887	444
Mountain	2,322	85,233	2,252	30,841	105,604	78,564	12,684	14,356	17,147	612
Montana	398	13,673	430	3,266	12,498	9,426	2,257	815	2,118	69
Idaho	220	7,460	203	3,279	9,309	7,209	821	1,279	1,727	60
Wyoming	208	7,928	202	2,158	8,039	6,183	1,367	489	932	31
Colorado	652	25,525	660	6,690	24,316	20,238	2,452	1,626	4,341	133
New Mexico	237	7,216	226	2,055	7,882	6,372	922	588	1,569	42
Arizona	266	9,479	213	4,392	14,606	11,968	1,638	1,000	2,485	89
Utah	188	7,561	173	2,599	8,470	7,375	221	874	1,682	48
Nevada	153	6,391	136	6,399	20,484	9,793	3,006	7,685	2,293	139
Pacific	4,793	249,941	4,482	79,709	256,969	212,659	26,892	17,418	42,552	1,579
Washington	781	42,243	712	10,618	32,207	29,134	888	2,185	6,048	212
Oregon	468	23,380	502	6,212	19,881	17,893	476	1,512	3,664	125
California	3,544	184,309	3,268	62,579	204,881	165,632	25,528	13,721	32,840	1,242

¹ Active proprietors of unincorporated businesses.² Includes paid executives of corporations but not proprietors of unincorporated businesses.³ \$8,998 hotels with total receipts of \$1,634,401,000 reported rentals and sales of meals separately as follows: rentals, \$720,113,000; meals, \$554,992,000.

No. 1098.—ADVERTISING—ESTIMATED EXPENDITURES: 1935 TO 1955
[In millions of dollars]

YEAR	EXPENDITURES			YEAR	EXPENDITURES			YEAR	EXPENDITURES		
	Total	National	Local		Total	National	Local		Total	National	Local
1935.....	1,690	859	831	1942.....	2,156	1,212	944	1949.....	5,202	2,965	2,237
1936.....	1,902	1,003	899	1943.....	2,496	1,452	1,045	1950.....	5,710	3,257	2,453
1937.....	2,072	1,103	969	1944.....	2,724	1,669	1,054	1951.....	6,426	3,701	2,725
1938.....	1,904	1,031	873	1945.....	2,875	1,775	1,099	1952.....	7,809	4,520	3,283
1939.....	1,980	1,086	895	1946.....	3,364	1,963	1,401	1953.....	7,755	4,521	3,235
1940.....	2,088	1,163	925	1947.....	4,260	2,487	1,772	1954.....	8,164	4,812	3,352
1941.....	2,236	1,259	977	1948.....	4,864	2,776	2,088	1955 (prel.)	9,029	5,287	3,742

No. 1099.—ADVERTISING—ESTIMATED EXPENDITURES, BY MEDIUM: 1950 TO 1955
[Amounts in millions of dollars]

MEDIUM	1950		1951		1952		1953		1954		1955 (prel.)	
	Expenditures	Percent of total										
Total	5,710	100.0	6,426	100.0	7,156	100.0	7,809	100.0	8,164	100.0	9,029	100.0
National.....	3,257	57.0	3,701	57.6	4,006	57.2	4,526	58.0	4,812	58.9	5,287	58.6
Local.....	2,453	43.0	2,725	42.4	3,060	42.8	3,283	42.0	3,352	41.1	3,742	41.4
Newspapers.....	2,076	36.3	2,258	35.1	2,473	34.6	2,645	33.8	2,695	33.0	3,070	34.0
National.....	533	9.3	549	8.5	552	7.9	643	8.2	635	7.8	750	8.3
Local.....	1,542	27.0	1,709	26.6	1,910	26.7	2,002	25.6	2,060	25.2	2,320	25.7
Radio.....	605	10.6	606	9.4	624	8.7	629	8.1	565	7.0	545	6.0
Network.....	196	3.4	179	2.8	162	2.3	154	2.0	115	1.4	90	1.0
Spot.....	136	2.4	138	2.2	142	2.0	140	1.8	135	1.7	135	1.5
Local.....	273	4.8	289	4.5	321	4.5	334	4.3	315	3.9	320	3.5
Television.....	171	3.0	332	5.2	454	6.3	606	7.8	804	9.8	1,005	11.1
Network.....	85	1.5	181	2.8	256	3.6	320	4.1	418	5.1	520	5.8
Spot.....	31	0.5	70	1.1	94	1.3	145	1.9	205	2.5	265	2.9
Local.....	55	1.0	82	1.3	104	1.4	141	1.8	181	2.2	220	2.4
Magazines.....	515	9.0	574	8.9	616	8.6	667	8.5	668	8.2	724	8.0
Weeklies.....	261	4.6	297	4.6	325	4.5	351	4.5	363	4.4	395	4.4
Women's.....	129	2.3	144	2.2	149	2.1	158	2.0	152	1.9	160	1.8
General.....	88	1.5	95	1.5	101	1.4	118	1.5	114	1.4	130	1.4
Farm.....	37	0.6	38	0.6	41	0.6	41	0.5	39	0.5	39	0.4
Farm papers.....	21	0.4	26	0.4	29	0.4	31	0.4	32	0.4	34	0.4
Direct mail.....	803	14.1	924	14.4	1,024	14.3	1,099	14.1	1,202	14.7	1,270	14.1
Business papers.....	251	4.4	292	4.5	365	5.1	395	5.0	408	5.0	415	4.6
Outdoor.....	143	2.5	149	2.3	152	2.3	176	2.3	187	2.3	193	2.1
National.....	96	1.7	101	1.6	109	1.5	119	1.6	126	1.5	130	1.4
Local.....	46	0.8	49	0.8	53	0.7	57	0.7	61	0.8	63	0.7
Miscellaneous.....	1,125	19.7	1,265	19.7	1,409	19.7	1,561	20.0	1,604	19.6	1,775	19.7
National.....	610	10.7	693	10.8	766	10.7	843	10.8	900	11.0	989	11.0
Local.....	515	9.0	572	8.9	643	9.0	718	9.2	704	8.6	786	8.7

Source of tables 1098 and 1099: Compiled by McCann-Erickson, Inc., for Printers' Ink Publications, New York, N. Y. Published in *Printers' Ink*.

No. 1100.—ADVERTISING—EXPENDITURES FOR NATIONAL ADVERTISING IN NEWSPAPERS, BY TYPE OF PRODUCT: 1953 TO 1955

[In thousands of dollars. Data are compiled on basis of actual space measurements of bulk of "national" advertising carried by weekday and Sunday newspapers. Figures represent projections to 100 percent; newspapers actually measured account for approximately 88 percent or slightly better of total weekday circulation and approximately 92 percent or better of total Sunday circulation.]

TYPE OF PRODUCT	1953	1954	1955	TYPE OF PRODUCT	1953	1954	1955
Total	601,224	594,120	695,322	Gasolines and oils.....	16,545	27,856	28,636
Air conditioning.....	1,305	2,329	1,997	Laundry soaps and cleansers.....	29,798	28,012	28,886
Airways.....	11,970	14,904	18,764	Liquors.....	37,020	39,963	41,055
Automatic refrigeration.....	3,870	2,704	3,370	Passenger cars (new).....	66,606	75,957	126,119
Baking products.....	13,243	14,703	20,229	Perfumes and cosmetics.....	15,434	16,095	14,748
Beers.....	18,090	19,370	17,021	Radio and television stations.....	10,185	9,819	12,252
Beverages.....	25,219	24,601	23,276	Radio and television sets.....	15,779	6,473	5,806
Cigarettes.....	17,009	14,107	17,259	Railroads.....	7,082	5,817	7,555
Dairy products.....	15,848	14,959	15,667	Miscellaneous.....	285,667	265,286	300,714
Furniture and furnishings.....	10,545	10,805	11,968				

Source: Compiled by Media Records, Inc., for Bureau of Advertising of the American Newspaper Publishers Association, Inc., New York, N. Y.; published in *Advertising Age*.

No. 1101.—ADVERTISING—INDEXES OF NATIONAL ADVERTISING EXPENDITURES, BY MEDIUM: 1935 TO 1955

[1947-49=100. Base for all indexes is the average monthly expenditure for those media which give national coverage]

TYPE	1935	1940	1945	1949	1950	1951	1952	1953	1954	1955
PRINTERS' INK										
General index.....	30	41	72	106	116	130	143	158	164	182
Total magazines.....	27	40	73	99	103	115	123	133	134	145
Weekly.....	22	42	75	98	105	119	130	140	145	158
Women's.....	39	37	74	98	98	109	113	119	115	122
General.....	29	40	70	98	103	112	119	138	134	144
Farm.....	19	36	61	105	112	116	122	123	118	116
Network radio.....	30	55	97	99	96	88	79	69	56	44
Network television ¹				17	49	104	147	184	240	209
Newspapers.....	38	41	52	118	133	137	140	160	158	187
Outdoor.....	27	39	59	104	113	118	128	139	148	152
Business papers.....	21	31	84	102	103	120	150	162	167	170
TIDE										
General index.....					113.1	126.4	137.8	154.6	161.0	181.6
Newspapers.....					126.7	128.1	130.3	148.7	152.5	179.3
Magazines.....					102.3	111.9	122.9	132.8	135.1	148.5
Network radio.....					95.3	90.4	84.8	83.0	71.4	(2)
Network television ²						100.0	141.1	178.0	250.7	318.6
Outdoor.....					114.3	118.0	128.8	139.5	147.8	152.1
Farm.....					106.5	107.9	114.0	114.3	110.0	113.0
Business papers.....					100.3	125.5	146.8	167.2	163.8	180.7

¹ Base period: 1950-52=100.

² Not available.

³ Base period: 1951=100.

Source: Printers' Ink Publications, New York, N. Y.; Tide Magazine, New York, N. Y.

No. 1102.—ADVERTISING—NEWSPAPER ADVERTISING LINAGE FOR 52 CITIES: 1930 TO 1955

[In thousands of lines. Data represent newspaper linage in all newspapers, daily and Sunday, in an unchanged list of 52 selected cities. General advertising is the advertising of specific products on general sale, as distinguished from the advertising of retail stores, and automotive or financial advertising]

MONTHLY AVERAGE	Total	Classified	DISPLAY				
			Total	Auto-motive	Financial	General	Retail
1930.....	137,854	24,913	112,941	8,032	4,938	25,254	73,817
1935.....	103,912	19,081	84,831	6,077	1,776	18,081	58,896
1940.....	105,719	21,901	83,818	5,167	1,619	15,719	61,313
1941.....	109,486	22,714	86,722	4,704	1,707	16,171	64,141
1942.....	103,473	21,443	82,030	2,235	1,469	16,388	61,938
1943.....	116,368	27,920	88,448	2,696	1,480	20,619	63,653
1944.....	113,437	25,741	87,696	2,623	1,530	20,910	62,632
1945.....	115,969	26,680	80,289	2,888	1,841	20,504	64,056
1946.....	144,143	35,305	108,838	3,509	2,198	22,190	80,940
1947.....	167,378	39,467	127,911	5,723	2,035	26,217	93,937
1948.....	188,621	43,537	145,083	6,895	2,149	28,220	107,819
1949.....	191,831	40,335	151,495	8,790	2,112	29,565	111,028
1950.....	203,346	42,553	160,793	10,049	2,356	32,464	115,924
1951.....	206,539	48,501	158,037	9,166	2,514	30,555	115,802
1952.....	208,783	51,459	157,323	8,952	2,690	29,094	116,587
1953.....	217,483	54,045	163,438	11,675	2,784	30,648	118,332
1954.....	215,098	50,231	164,867	11,918	3,029	29,837	120,083
1955.....	236,950	58,705	178,245	15,919	3,383	31,350	127,592

Source: Compiled by Media Records, Inc. and published currently in Department of Commerce, Office of Business Economics, Survey of Current Business.

No. 1103.—ADVERTISING—VOLUME OF MAGAZINE ADVERTISING: 1949 TO 1955

[In thousands of dollars. Data represent advertising revenue of general magazines and national farm magazines. Space cost is based on one-time rate; special rates are used where applicable. Retail advertising and direct-mail advertising are not distributed according to type of product, but are included in "All other." Figures from year to year may not be strictly comparable, as a few minor publications are added or deleted]

TYPE OF PRODUCT	1949	1950	1951	1952	1953	1954	1955
Cost, total	440,795	458,451	513,851	553,024	603,114	597,142	653,395
Apparel, foot wear and accessories	41,718	39,038	44,517	44,505	48,865	48,629	51,035
Automotive, automotive accessories and equipment	40,906	41,969	41,379	46,935	55,905	54,283	63,458
Beer, wine and liquor	26,847	26,581	31,278	30,118	30,670	30,751	34,344
Building materials, equipment and fixtures	17,817	20,064	24,851	28,225	32,093	30,207	32,587
Drugs and remedies	11,591	12,774	14,354	17,061	16,451	17,608	19,306
Food and food products	50,860	53,591	57,628	61,224	67,080	72,157	77,749
Household equipment and supplies	27,912	34,326	34,774	35,623	40,393	38,611	39,423
Household furnishings	23,475	24,820	28,433	26,530	29,281	25,879	29,455
Industrial materials	20,904	24,490	33,348	40,578	42,818	42,700	48,347
Smoking materials	14,309	12,997	13,663	14,550	14,822	16,369	17,303
Toiletries and toilet goods	37,402	37,541	40,061	40,931	39,489	38,233	40,502
Travel, hotels and resorts	11,687	12,746	14,308	16,504	17,086	18,263	18,549
All other	115,366	117,514	135,257	140,880	168,121	163,443	180,157

Source: Publishers' Information Bureau, Inc., New York, N. Y.

No. 1104.—ADVERTISING—GROSS TIME COST FOR RADIO, 1950 to 1954, AND TELEVISION ADVERTISING, 1950 TO 1955

[In thousands of dollars. Gross time charges computed at the one-time rate, before application of size and frequency discounts. Net time charges are approximately 40 percent less for radio and 25 percent less for television. No allowance included for talent, production, and wire charges]

TYPE OF PRODUCT	RADIO				TELEVISION				
	1950	1952	1953	1954	1950 ¹	1952	1953	1954	1955
Cost of facilities, total	183,519	163,453	160,535	137,641	40,779	180,795	227,586	320,131	406,899
Apparel, footwear and accessories	1,508	420	1,223	489	901	2,985	2,832	3,236	2,823
Automotive, automotive accessories and equipment	5,000	4,376	8,025	9,633	5,325	15,465	21,059	29,204	47,059
Beer, wine and liquor	2,775	2,203	1,896	2,935	1,704	5,650	5,727	6,981	7,588
Confectionery and soft drinks	6,148	5,297	3,012	2,645	1,839	5,042	5,610	6,179	8,114
Drugs and remedies	24,433	21,030	21,125	17,089	392	6,103	9,641	15,849	23,280
Food and food products	44,861	36,834	35,126	28,770	6,602	33,807	42,182	64,472	70,989
Gasoline, lubricants and other fuel	5,500	5,180	4,960	5,114	1,516	3,613	2,861	3,988	4,905
Household equipment and supplies	3,086	6,651	6,495	3,623	2,653	11,460	10,946	26,403	31,549
Household furnishings	601	1,435	1,632	225	2,090	2,328	2,938	4,031	2,571
Insurance	2,833	3,336	2,242	2,387	79	605	1,452	1,765	2,219
Radios, TV sets, phonographs, musical instruments and accessories	1,232	2,876	2,489	1,973	3,421	5,682	4,325	8,595	8,096
Smoking materials	22,489	15,960	15,008	10,779	6,250	28,430	36,060	42,728	42,122
Soaps, cleansers and polishes	20,700	18,326	15,891	14,883	863	21,004	22,907	34,607	46,968
Toiletries and toilet goods	25,783	23,215	26,028	18,160	4,183	24,804	36,339	49,963	74,175
All other	16,532	16,314	15,363	18,916	2,961	13,817	13,707	22,131	25,346

¹ Excludes Du Mont.

Source: Publishers' Information Bureau, Inc., New York, N. Y.

No. 1105.—CORPORATION EXPENDITURES FOR ADVERTISING, COMPARED WITH SALES AND RECEIPTS, BY INDUSTRY: 1951 AND 1952

[Compiled from corporation income tax returns, excluding returns of inactive corporations. See headnote and footnotes, table 587.]

INDUSTRY GROUP	1951				1952			
	Number of corporations	Advertising expenditures		Number of corporations	Advertising expenditures		Percent of sales, etc.	
		Gross sales and gross receipts from operations	Amount		Gross sales and gross receipts from operations	Amount		
Total.....	652,376	\$1,000	\$1,000	672,071	\$1,000	\$1,000	0.987	
Agriculture, forestry, and fishery.....	8,734	2,322,860	13,487	8,869	2,449,603	13,220	0.540	
Farms and agricultural services.....	8,028	2,233,668	13,352	8,155	2,350,607	13,021	0.554	
Forestry and fishery.....	706	89,201	105	9,118	99,086	109	0.201	
Mining and quarrying.....	9,036	9,315,739	9,835	106	9,055	9,365,614	12,968	0.138
Construction.....	20,593	14,010,409	30,970	0.221	31,817	15,052,200	34,620	0.230
Manufacturing.....	120,196	251,227,171	2,576,760	1,026	119,309	257,322,071	2,873,948	1.117
Beverages.....	3,066	6,982,544	234,960	3,365	3,295	7,224,142	243,133	3,366
Food and kindred products.....	11,000	35,674,168	497,249	1,304	10,250	35,985,543	560,535	1,550
Tobacco manufactures.....	190	3,395,312	109,900	3,287	151	3,719,951	124,374	3,343
Textile-mill products.....	6,030	14,264,571	72,569	0.509	5,495	13,069,666	76,427	0.585
Apparel and products made from fabrics.....	14,753	8,873,051	73,340	0.826	14,440	9,042,801	76,319	0.844
Furniture and fixtures.....	4,432	3,224,556	31,897	0.989	4,738	3,362,693	37,966	1.129
Paper and allied products.....	2,752	8,293,443	30,912	0.373	2,809	7,742,218	39,703	0.513
Printing, publishing, and allied industries.....	13,295	7,332,552	43,772	0.597	13,455	7,843,732	50,486	0.644
Chemicals and allied products.....	7,667	18,054,855	475,567	2,634	7,628	17,723,891	515,268	2,907
Petroleum and coal products.....	690	23,480,978	101,558	0.433	697	23,904,426	111,426	0.466
Rubber products.....	717	4,851,165	46,497	0.958	734	4,867,461	57,341	1.178
Leather and products.....	2,840	3,447,881	30,506	0.885	2,921	3,314,497	36,112	1,090
Stone, clay, and glass products.....	4,556	5,688,849	38,208	0.672	4,209	5,547,264	48,503	0.784
Primary metal industries.....	3,126	22,604,313	42,554	0.188	2,948	20,207,042	53,342	0.264
Fabricated metal products ¹	10,536	12,603,574	105,215	0.835	10,854	12,599,184	127,105	1.009
Machinery ²	10,713	20,451,871	183,193	0.896	10,910	22,068,799	203,354	0.921
Electrical machinery and equipment.....	3,414	12,222,968	190,063	1.555	3,639	14,814,834	220,415	1.488
Motor vehicles and equipment ³	1,286	19,425,735	91,300	0.470	1,194	19,761,728	99,733	0.505
Scientific instruments, photographic equipment, watches, and clocks.....	2,022	3,041,218	61,872	2.034	2,105	3,556,603	70,337	1.978
Other.....	17,311	17,312,687	115,648	0.668	16,932	20,985,690	127,069	0.606
Public utilities.....	26,828	35,112,198	116,341	0.331	28,400	37,455,570	128,972	0.347
Transportation.....	19,354	21,325,530	69,757	0.327	20,854	22,241,023	78,282	0.352
Other.....	7,474	13,786,668	46,584	0.338	7,606	15,214,547	51,600	0.340
Trade.....	216,309	166,250,689	1,488,856	0.806	221,314	166,656,973	1,573,048	0.944
Wholesale.....	71,592	86,407,740	375,364	0.434	72,126	83,880,507	395,279	0.471
Retail.....	129,228	71,679,994	1,038,662	1.449	131,454	74,373,866	1,091,555	1.468
Food.....	9,607	15,815,551	86,434	0.647	10,275	17,731,231	96,221	0.543
General merchandise.....	7,553	16,209,373	390,789	2.411	7,122	16,667,067	412,023	2.472
Apparel and accessories.....	17,052	5,400,721	143,383	0.655	17,827	5,703,998	149,961	2.629
Furniture, housefurnishings.....	11,886	2,938,697	94,450	0.214	11,683	3,054,023	104,009	3.406
Automotive dealers, filling stations.....	24,069	17,349,903	174,781	1.007	23,793	16,758,738	170,640	1.018
Other.....	59,061	13,985,749	148,815	1.066	60,784	14,488,809	158,701	1.093
Trade not allocable.....	15,489	8,162,955	74,830	0.917	17,734	8,402,600	86,214	1.026
Finance, insurance, real estate, and lessors of real property.....	177,832	8,705,973	189,010	1.597	185,855	9,866,982	188,541	1.913
Finance.....	37,575	1,904,414	85,909	4.511	42,763	2,167,352	130,078	6,030
Banks and trust companies.....	14,657	678,113	55,671	0.210	14,806	764,760	72,410	4.468
Other.....	22,918	1,226,301	30,238	2.466	27,957	1,392,583	57,668	4.141
Insurance carriers and agents.....	10,865	5,593,036	19,685	0.352	11,538	6,250,601	19,696	0.315
Real estate ⁴	129,392	1,207,623	33,416	2.767	131,554	1,449,029	38,787	2.675
Services.....	58,268	10,155,861	176,997	1.743	61,647	11,067,100	200,037	1.807
Hotels and lodging places.....	6,648	1,461,268	25,990	1.779	6,827	1,502,625	26,595	1.770
Personal services.....	12,063	1,689,568	25,674	1.520	12,249	1,674,071	26,200	1.565
Business services.....	12,625	2,748,306	21,787	0.793	14,894	3,184,744	33,181	1.042
Motion pictures.....	6,089	1,804,014	62,871	3.485	6,030	1,945,253	68,613	3.527
Amusement, exc. motion pictures.....	6,339	603,085	17,129	2.583	6,703	77,359	19,597	2.521
Other.....	14,504	1,789,670	23,546	1.316	15,384	1,983,048	25,851	1.304
Nature of business not allocable.....	5,580	102,001	654	0.641	5,655	92,395	408	0.442

¹ Except ordnance, machinery, and transportation equipment.

² Except transportation equipment and electrical.

³ Except electrical. ⁴ Includes lessors of real property other than buildings.

Source: Treasury Department, Internal Revenue Service; *Statistics of Income*, Part 2, for 1951 and 1952.